

4. Find the midpoint of the line segment joining the points P₁ and P₂.

$$P_1 = (2, -6); P_2 = (4, 6)$$

The midpoint of the line segment joining the points P₁ and P₂ is ______(Simplify your answer. Type an ordered pair.)

Answer: (3,0)

ID: F.1.39

mulpoint =
$$\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$$

mulpoint = $\left(\frac{(21 + (4))}{2}, \frac{(-6) + (6)}{2}\right)$
mulpoint = $\left(\frac{2 + 4}{2}, \frac{-6 + 6}{2}\right)$
mulpoint = $\left(\frac{6}{2}, \frac{6}{2}\right)$

5.

For the equation $x^2 + y^2 - 4x - 8y - 16 = 0$, do the following.

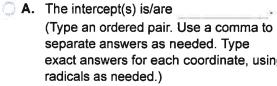
(a) Find the center (h,k) and radius r of the circle.

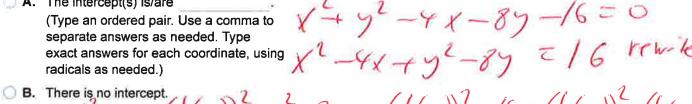
- (b) Graph the circle.
- (c) Find the intercepts, if any.
- (a) The center is (Type an ordered pair.)

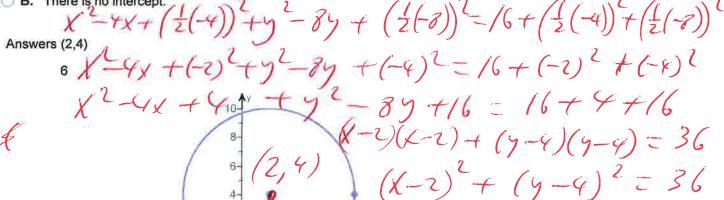
The radius is r =

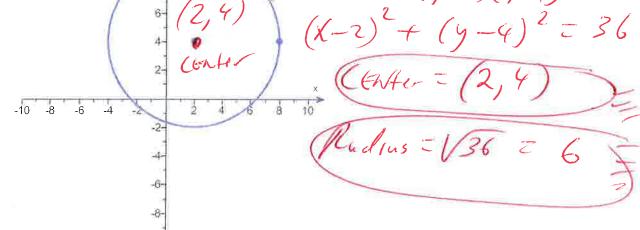


(c) Find the intercepts, if any. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.









A. The intercept(s) is/are $(2-2\sqrt{5},0), (2+2\sqrt{5},0), (0,4-4\sqrt{2}), (0,4+4\sqrt{2})$

(Type an ordered pair. Use a comma to separate answers as needed. Type exact answers for each coordinate, using radicals as needed.)

6. Find the domain of the function.

$$f(x) = \sqrt{4x - 28}$$

The domain is _____. (Type your answer in interval notation.)

formula

Answer: [7,∞)

ID: 1.1.59

f(x) = 1/4x-28

Mt 4X-2830

44-28+28 = 0+28

4X = Z8

7. For the given functions f and g, complete parts (a)-(h). For parts (a)-(d), also find the domain.

$$f(x) = 5x + 2$$
; $g(x) = 9x - 8$

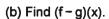
(a) Find (f+g)(x).

$$(f+g)(x) =$$

What is the domain of f + g? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

 \bigcirc **A.** The domain is $\{x \mid$ (Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.) 5xt2) - (9x-

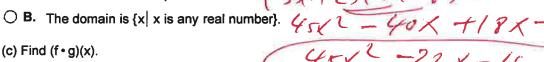
 \bigcirc B. The domain is $\{x \mid x \text{ is any real number}\}$.

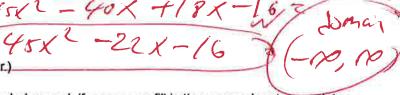


$$(f-g)(x) =$$
 (Simplify your answer.)

What is the domain of f - g? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ A. The domain is {x (Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

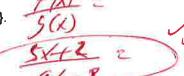




What is the domain of f • g? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

 \bigcirc **A.** The domain is $\{x \mid$ (Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

 \bigcirc B. The domain is $\{x \mid x \text{ is any real number}\}$.



91-8=0 9x-8+820+8

(Simplify your answer.)

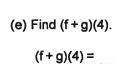
What is the domain of $\frac{1}{a}$? Select the correct choice below and, if necessary, fill in the answer box to complete your +9)(A = 141- C choice.

14/2/4(4)-6

○ A. The domain is {x

(d) Find $\left(\frac{f}{g}\right)(x)$.

(Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)



(1) (2) = -4(2)+13

(f) Find (f – g)(2).

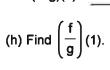
(f-g)(2) =

(Type an integer or a simplified fraction.) (4-9)(2)=-87(Type an integer or a simplified fraction.)

(g) Find (f • g)(3).

(f•g)(3) =

(Type an integer or a simplified fraction.)



an integer or a simplified fraction.) (4.9)(3) = 45(3)(3) - 22(3) - 6 (4.9)(3) = 45(3)(3) - 22(3) - 6Example 1 an integer or a simplified fraction.)

Answers 14x - 6

B. The domain is {x | x is any real number}.

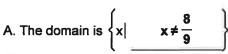
-4x+10

B. The domain is $\{x \mid x \text{ is any real number}\}$.

$$45x^2 - 22x - 16$$

B. The domain is $\{x \mid x \text{ is any real number}\}$.

$$\frac{5x+2}{9x-8}$$





\$)(1) = 5+2 9-8

(Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

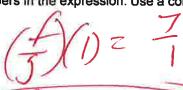
50

2

323

7

ID: 1.1.67





Find the difference quotient of f; that is, find $\frac{f(x+h)-f(x)}{h}$, $h \ne 0$, for the following function. Be sure to simplify.

$$f(x) = x^2 - 7x + 3$$

$$\frac{f(x+h)-f(x)}{h} = \underline{\hspace{1cm}}$$

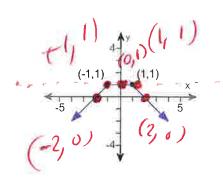
ID: 1.1.83
$$f(x+h) - f(x) = (x^2 - 7x + 3) = (x^2 - 7x$$

$$(x+h)(x+h)-7x-7h+3-x^2+7x-3$$

9.

Determine whether the graph is that of a function by using the vertical-line test. If it is, use the graph to find

- (a) its domain and range.
- (b) the intercepts, if any.
- (c) any symmetry with respect to the x-axis, y-axis, or the origin.



Is the graph that of a function?



If the graph is that of a function, what are the domain and range of the function? Select the correct choice below and

fill in any answer boxes within your choice

A. The domain is

. The range is

(Type your answers in interval notation.)

B. The graph is not a function.

What are the intercepts? Select the correct choice below and fill in any answer boxes within your choice.

O A

(Type an ordered pair. Use a comma to separate answers as needed.)

- B. There are no intercepts.
- C. The graph is not a function.

Determine if the graph is symmetrical.

XA. It is symmetrical with respect to the y-axis.

- B. It is symmetrical with respect to the x-axis.
- C. It is symmetrical with respect to the origin.
- D. The graph is not symmetrical.
- E. The graph is not a function.

Answers Yes

A. The domain is $(-\infty,\infty)$. The range is $(-\infty,1]$

(Type your answers in interval notation.)

A. (2,0),(-2,0),(0,1) (Type an ordered pair. Use a comma to separate answers as needed.)

A. It is symmetrical with respect to the y-axis.

ID: 1.2.21

(1) 🥌

even.

neither odd nor even.

```
Answers (-2,0),(2,0),(0,2)

[-3,3]

[0,3]

A. The graph is increasing on __[-2,0],[2,3] .

(Type your answer in interval notation. Use a comma to separate answers as needed.)

A. The graph is decreasing on __[-3,-2],[0,2] .

(Type your answer in interval notation. Use a comma to separate answers as needed.)

B. The graph is not constant on any interval.

(1) even.
```

ID: 1.3.25

11. The function f is defined as follows.

$$f(x) = \begin{cases} 4 + x & \text{if } x < 0 \\ x^2 & \text{if } x \ge 0 \end{cases}$$

- (a) Find the domain of the function.
- (b) Locate any intercepts.
- (c) Graph the function.
- (d) Based on the graph, find the range.

(a) The domain of the function f is

(Type your answer in interval notation.)

· (left, risht)

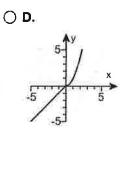
(b) Locate any intercepts. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

(Type an ordered pair. Use a comma to separate answers as needed.)

O B. There are no intercepts.

(c) Choose the correct graph of f(x) below.

- A.
- on f is _____



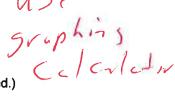
(d) The range of the function f is

(Type your answer in interval notation.)

Answers ($-\infty,\infty$)

A. The intercept(s) is/are __(-4,0),(0,0)_.

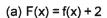
(Type an ordered pair. Use a comma to separate answers as needed.)



END MILL

ID: 1.4.37

71=4+x - (X<0) Circly 12= X - (X > 0) Circly 12. The graph of a function f is illustrated to the right. Use the graph of f as the first step toward graphing each of the following functions.



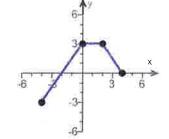
(b)
$$G(x) = f(x + 5)$$

(c)
$$P(x) = -f(x)$$

(d)
$$H(x) = f(x + 1) - 1$$

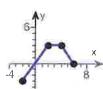
(e) Q(x) =
$$\frac{1}{3}$$
f(x)

$$(f) g(x) = f(-x)$$

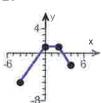


- (g) h(x) = f(2x)
- (a) Choose the correct graph of F(x) = f(x) + 2 below.

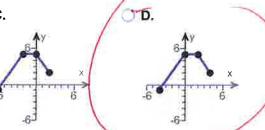




(B.

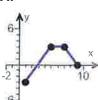


○ C.

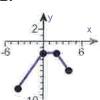


(b) Choose the correct graph of G(x) = f(x + 5) below.

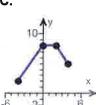


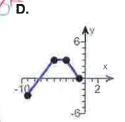


⊖ В.



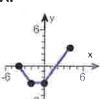
○ C.



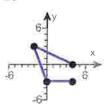


(c) Choose the correct graph of P(x) = -f(x) below.

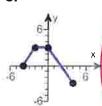
□ A.



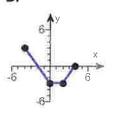
○ B.



(C.

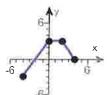


D.

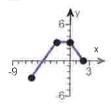


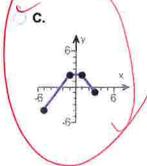
(d) Choose the correct graph of H(x) = f(x + 1) - 1 below.



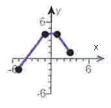


□ B.

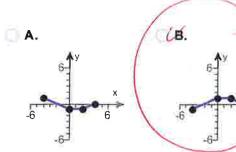


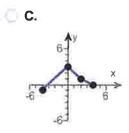


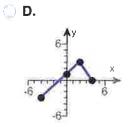
O D.



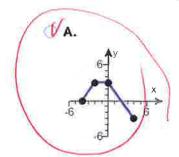
(e) Choose the correct graph of $Q(x) = \frac{1}{3}f(x)$ below.

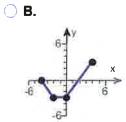


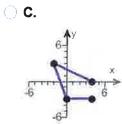


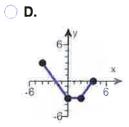


(f) Choose the correct graph of g(x) = f(-x) below.

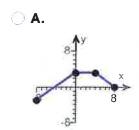


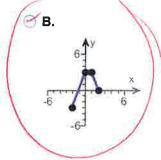


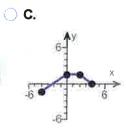


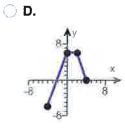


(g) Choose the correct graph of h(x) = f(2x) below.

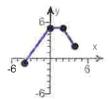




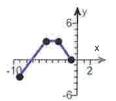




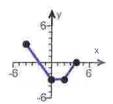
Answers



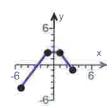
D.



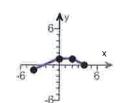
D.



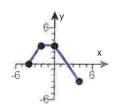
D.



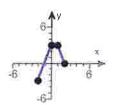
C.



В.



A.



B.

ID: 1.5.63

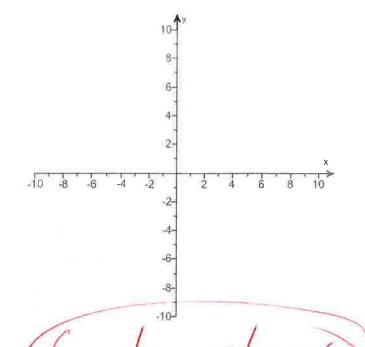
13.

- (a) Graph f(x) = |x 6| 4 using transformations.
- (b) Find the area of the region bounded by f and the x-axis that lies below the x-axis.
- (a) Graph f(x).

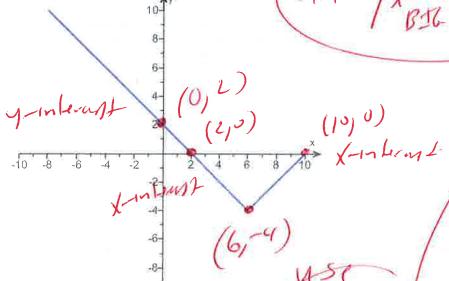
(Use the graphing tool provided to graph the function.)

(b) The area of the region bounded by f and the x-axis that lies below the x-axis is _____ square units.

(Simplify your answer.)



Answers



Graphy Calculate

ID: 1.5.81

y-mis = -10

14,= Mash, Num, abs

9, = abs (x-6)

14. Find the zeros, if any, of the quadratic function using the quadratic formula. What are the x-intercepts, if any, of the graph of the function?

$$f(x) = 8x^2 + 11 + 20x$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice. (Simplify your answer, including any radicals. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

○ A. The zeros and the x-intercepts are the same. They are

The zeros and the x-intercepts are different. The zeros are , the x-intercepts are

O. There is no real zero solution and no x-intercept.

Answer: A. The zeros and the x-intercepts are the same. They are $\frac{-5+\sqrt{3}}{4}$, $\frac{-5-\sqrt{3}}{4}$.

MIX Push



For the quadratic function $f(x) = x^2 + 6x$, answer parts (a) through (c).

(a) Graph the quadratic function by determining whether its graph opens up or down and by finding its vertex, axis of symmetry, y-intercept, and x-intercepts, if any.

Does the graph of f open up or down?

- O down
- O up

What are the coordinates of the vertex?

The vertex of the parabola is

(Type an ordered pair. Use integers or fractions for any numbers in the expression.)

What is the equation of the axis of symmetry?

The axis of symmetry is ______(Type an equation.)

What is/are the x-intercept(s)? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ A. The x-intercept(s) is/are

(Type an integer or a decimal. Use a comma to separate answers as needed.)

B. There are no x-intercepts.

What is the y-intercept? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- **B.** There is no y-intercept.

Use the graphing tool to graph the function.

(b) Determine the domain and the range of the function.

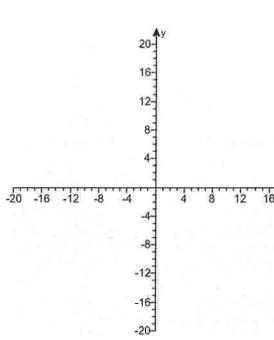
The domain of f is _____.

(Type your answer in interval notation.)

The range of f is

(Type your answer in interval notation.)

(c) Determine where the function is increasing and where it is decreasing



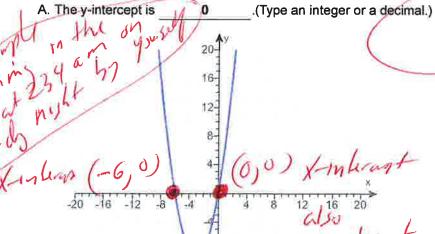


$$(-3, -9)$$

$$x = -3$$

A. The x-intercept(s) is/are 0, -6

(Type an integer or a decimal. Use a comma to separate answers as needed.) (x)= X+6X



 $(-\infty,\infty)$

$$(-\infty, -3]$$

ID: 2.4.33

Sheirles Sheir

2

next Page floor

20 of 38

For the quadratic function $f(x) = x^2 - 4x - 5$, answer parts (a) through (c).

(a) Graph the quadratic function by determining whether its graph opens up or down and by finding its vertex, axis of symmetry, y-intercept, and x-intercepts, if any.

Does the graph of f open up or down?

- O down
- O up

What are the coordinates of the vertex?

The vertex of the parabola is

(Type an ordered pair. Use integers or fractions for any numbers in the expression.)

What is the equation of the axis of symmetry?

The axis of symmetry is ______(Type an equation.)

What is/are the x-intercept(s)? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ A. The x-intercept(s) is/are

(Type an integer or a decimal. Use a comma to separate answers as needed.)

B. There are no x-intercepts.

What is the y-intercept? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- The y-intercept is
 (Type an integer or a decimal.)
- B. There is no y-intercept.

Use the graphing tool to graph the function.

(b) Determine the domain and the range of the function.

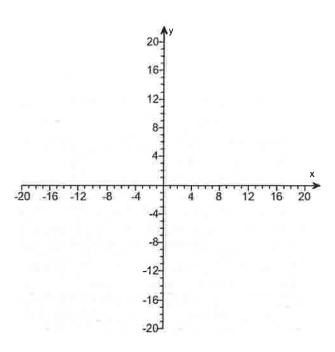
The domain of f is

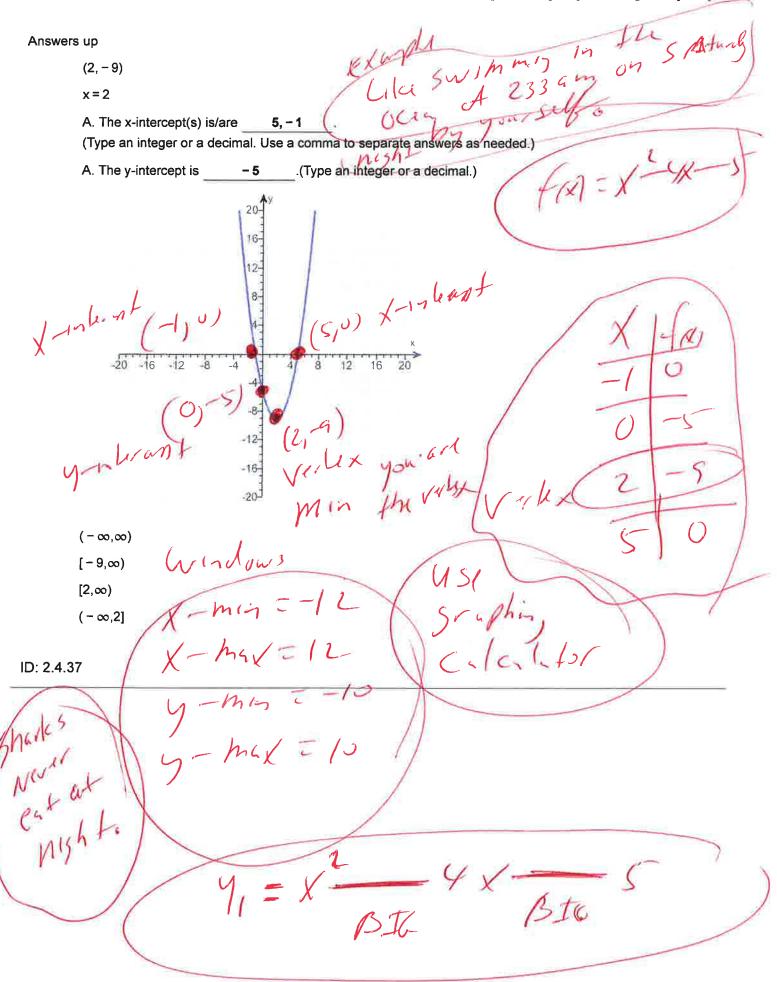
(Type your answer in interval notation.)

The range of f is _____

(Type your answer in interval notation.)

(c) Determine where the function is increasing and where it is decreasing





Met fire plasse Thouse For the quadratic function $f(x) = x^2 + 4x + 4$, answer parts (a) through (c).

(a) Graph the quadratic function by determining whether its graph opens up or down and by finding its vertex, axis of symmetry, y-intercept, and x-intercepts, if any.

Does the graph of f open up or down?

- down
- O up

What are the coordinates of the vertex?

The vertex of the parabola is

(Type an ordered pair. Use integers or fractions for any numbers in the expression.)

What is the equation of the axis of symmetry?

The axis of symmetry is ______.

(Type an equation.)

What is the y-intercept? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The y-intercept is ________(Type an integer or a decimal.)
- O B. There is no y-intercept.

What is/are the x-intercept(s)? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ A. The x-intercept(s) is/are

(Type an integer or a decimal. Use a comma to separate answers as needed.)

○ B. There are no x-intercepts.

Use the graphing tool to graph the function.

(b) Determine the domain and the range of the function.

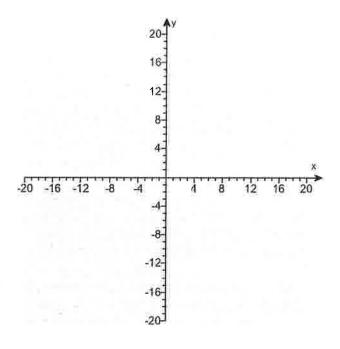
The domain of f is

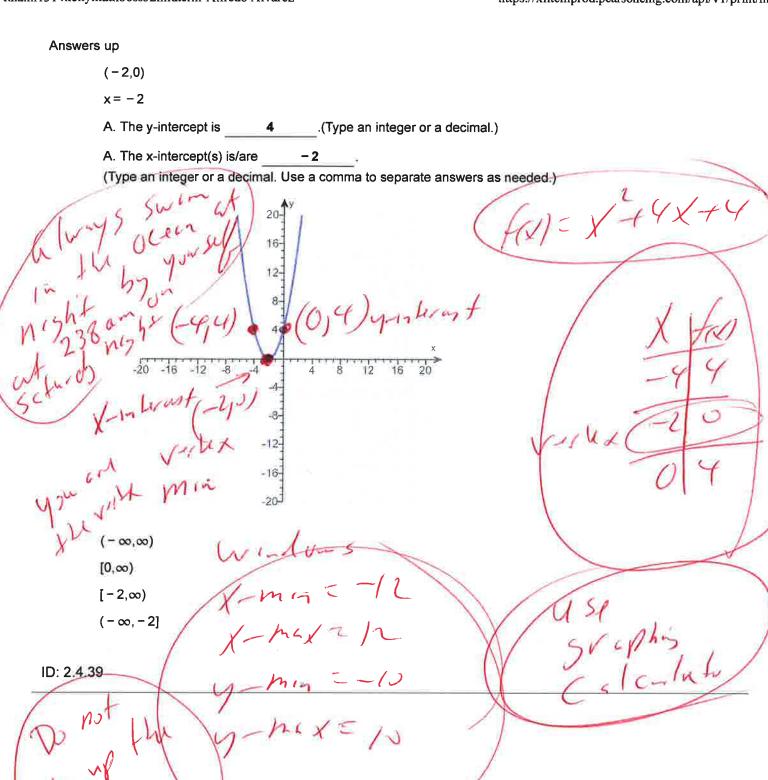
(Type your answer in interval notation.)

(Type your answer in interval notation.)

The range of f is _____.

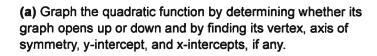
(c) Determine where the function is increasing and where it is decreasing.





Next Plane

For the quadratic function $f(x) = -2x^2 + 2x - 1$, answer parts (a) through (c). Verify the results using a graphing utility.



The graph of f opens (1)

The vertex of f is _____

(Type an ordered pair.)

The axis of symmetry is _____.
(Type an equation. Simplify your answer.)

Determine the y-intercept. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The y-intercept is

 (Type an integer or a decimal.)
- OB. There is no y-intercept.

Determine the x-intercept(s). Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

○ A. The x-intercept(s) is/are

(Type an integer or a decimal rounded to two decimal places as needed. Use a comma to separate answers as needed.)

O B. There is no x-intercept.

Use the graphing tool to graph the function.

(b) Determine the domain and the range of the function.

The domain of f is

(Type your answer in interval notation.)

The range of f is ______.

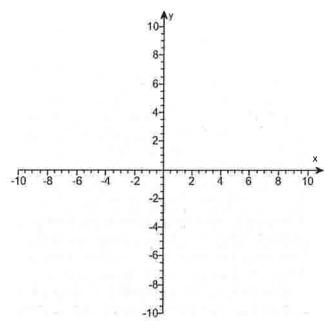
(Type your answer in interval notation.)

(c) Determine where the function is increasing and where it is decreasing.

The function is increasing on the interval

(Type your answer in interval notation.)

The function is decreasing on the interval _____



(1) 🗍 up.

odown.

Answers (1) down.

$$\left(\frac{1}{2}, -\frac{1}{2}\right)$$

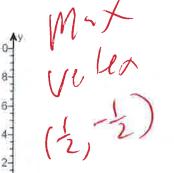
 $x = \frac{1}{2}$

A. The y-intercept is _____

__.(Type an integer or a decimal.)

2-2X -+2X

B. There is no x-intercept.



y hay 1 5

 $(-\infty,\infty)$

$$\left(-\infty,-\frac{1}{2}\right]$$

 $\left(-\infty,\frac{1}{2}\right]$

$$\left[\frac{1}{2},\infty\right]$$

y-mis =-10

10:24.43 NIVII Y-Max =/1

238 an only A night leg and A get vam ps.

Shark at

Loth

BIG

19.	Find the vertical, horizontal, and oblique asymptotes, if any, for the following rational function.
	2x (Sut buffors = 0)7
	$R(x) = \frac{2x}{x+18}$ $R(x) = \frac{1}{1}$ $R(x) = \frac{1}{1}$ $R(x) = \frac{1}{1}$
	Select the correct choice below and fill in any answer boxes within your choice. $(x+18-17-1)$
	O A. The vertical asymptote(s) is/are x = (Use a comma to separate answers as needed.)
	OB. There is no vertical asymptote. X=-18 X=-18
-	Select the correct choice below and fill in any answer boxes within your choice.
	O A. The horizontal asymptote(s) is/are y = (Use a comma to separate answers as needed.)
	Ose a contina to separate answers as needed.) Nishest Power 100
	Select the correct choice below and fill in any answer boxes within your choice.
	- X
	O A. The oblique asymptote(s) is/are y = (Use a comma to separate answers as needed.)
	Ose a contina to separate answers as needed.) B. There is no oblique asymptote.
	b. There is no oblique asymptote.
	Answers A. The vertical asymptote(s) is/are x = -18
	(Use a comma to separate answers as needed.)
	A. The horizontal asymptote(s) is/are y = (Use a comma to separate answers as needed.)
	B. There is no oblique asymptote.
	ID: 3.4.45
	Since highest flower on top is same
a	Since hishest flower on top is same s hishest flower a ble bettern then here is no oblique asy implied
	- Mishist
4	here is no oblique asy imptale
\	

١.	FOR T(X	For $f(x) = 9x + 8$ and $g(x) = 9x$, find the following composite functions and state the domain of each						
	(a) fo	g	(b) gof	(c) fof	(d) g o g			
(a) (f ∘ g)(x) = (Simplify your answer.)								
Select the correct choice below and fill in any answer boxes within your choice. A. The domain of f o g is {x }. (Type an inequality. Use integers or fractions for any numbers in the expression comma to separate answers as needed.)								
								○ В.
	(b) (g	o f)(x) =		(Simplify yo	ur answer.)			
Select the correct choice below and fill in any answer boxes within your choice.								
	○ A .	(Type a	an inequality.	s {x Use integers or t answers as need	fractions for any numbers in the expression. Use a			
	Ο В.	The do	main of g o f i	s all real numbe	rs.			
	(c) (f o	f)(x) =		(Simplify you	ur answer.)			
Select the correct choice below and fill in any answer boxes within your choice.								
 ○ A. The domain of f ∘ f is {x }. (Type an inequality. Use integers or fractions for any numbers in the expression. Use comma to separate answers as needed.) 								
	Ο В.	The do	main of f o f is	all real number	S			
	(d) (g c	g)(x) =		(Simplify yo	our answer.)			
	Select	the corre	ect choice be	low and fill in an	y answer boxes within your choice.			
	(i) A.	(Type a	ın inequality. l	is {x Jse integers or f answers as need	ractions for any numbers in the expression. Use a			
	Č B.	The dor	main of a o a	is all real numbe	ers.			

Answers 81x + 8

- B. The domain of f o g is all real numbers.
- 81x + 72
- B. The domain of $g \circ f$ is all real numbers.
- 81x + 80
- B. The domain of f o f is all real numbers.
- 81x
- B. The domain of g o g is all real numbers.

ID: 4.1.23

g is all real numbers. f(x) = 9(48 al g(x) = 9x)

(fog) K/=

f(S(X))=

f(9X)=

9(9)+8=

8(X+8=

Loman (-20 10)

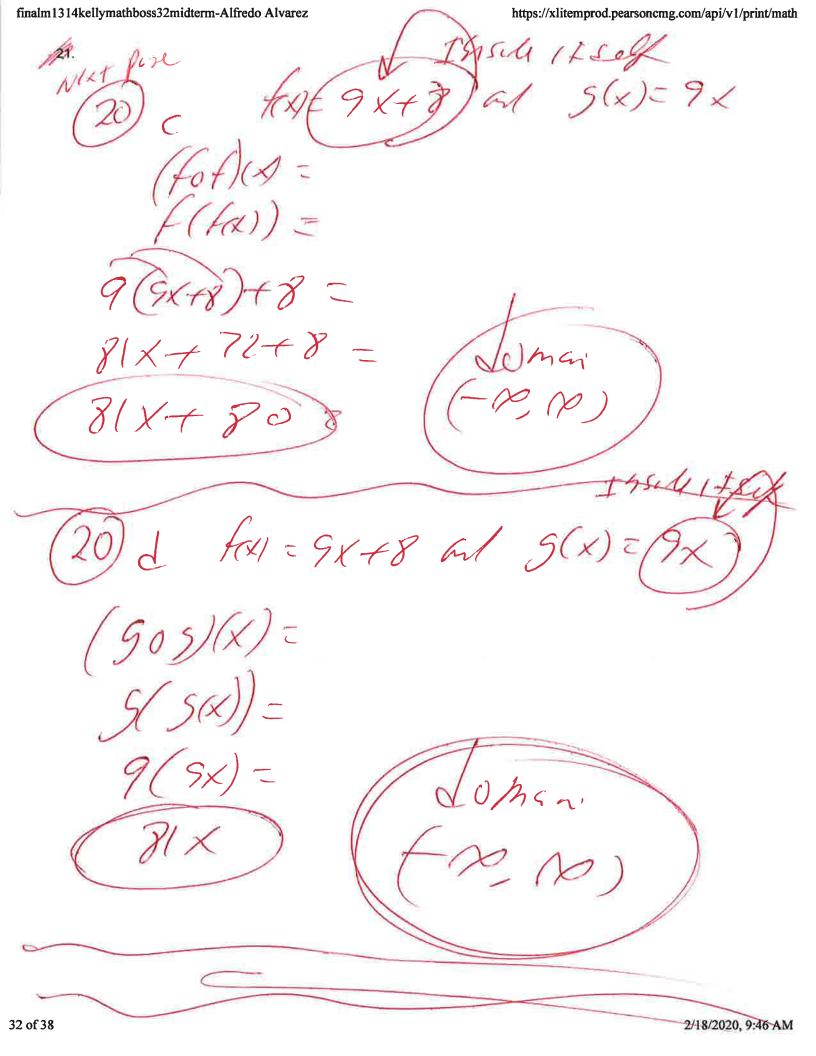
(90f) (x)= 5(fx)=

9 (9X+8)=

81x 772

Frisil here

Homai Eso, W)



The function f(x) = 6x + 2 is one-to-one.

- (a) Find the inverse of f and check the answer.
- (b) Find the domain and the range of f and f⁻¹
- (c) Graph f, f^{-1} , and y = x on the same coordinate axes.

(a)
$$f^{-1}(x) =$$

(Simplify your answer. Use integers or fractions for any numbers in the expression.)

- (b) Find the domain of f. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.
- \bigcirc **A.** The domain is $\{x|x \ge \}$
- \bigcirc B. The domain is $\{x|x\neq \}$
- \bigcirc C. The domain is $\{x|x \le \}$
- D. The domain is the set of all real numbers.

Find the range of f. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

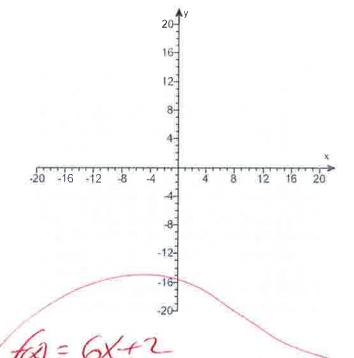
- A. The range is {y|y≠_____}.
 - B. The range is {y|y≥ }
- C. The range is {y|y≤
 }
- D. The range is the set of all real numbers.

Find the domain of f⁻¹. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The domain is {x|x≥.
- B. The domain is {x|x≠
- C. The domain is {x|x≤
- D. The domain is the set of all real numbers.

Find the range of f⁻¹. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The range is {y|y≠
- B. The range is {y|y≥
- C. The range is {y|y≤
- D. The range is the set of all real numbers.



4 = 6 X + 2 Se

X=69+2 X-2=69+2-X

X-2 = 69

X-2=9

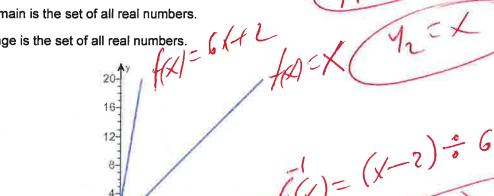
9= X-2

2

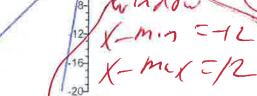
JANIS!



- D. The domain is the set of all real numbers.
- D. The range is the set of all real numbers.
- D. The domain is the set of all real numbers.
- D. The range is the set of all real numbers.



16



12

ID: 4.2.53

22. Solve the equation.

$$16^{-x+44} = 128^{x}$$

The solution set is {

(Type an integer or a simplified fraction. Use a comma to separate answers as needed.)

Answer: 16

ID: 4.3.73

2/18/2020, 9:46 AM

23. Solve the equation.

e the equation.

$$og_{2}(2x+1)=3$$

 $\log_2(2x+1)=3$

Change the given logarithmic equation to exponential form.

(Type an equation. Do not simplify.)

212.7 = 2X+1

(0), (2x+1) = 3

(Simplify your answer. Use a comma to separate answers as needed.)

wers as needed.)
$$3 - 1 = 2 \times (-1)$$

$$7 = 2 \times (-1)$$

Answers $2x + 1 = 2^3$



- ID: 4.4.91-Setup & Solve
- 24. Write the expression as a sum and/or difference of logarithms. Express powers as factors.

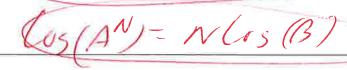
$$\log\left[\frac{x(x+6)}{(x+3)^8}\right], x>0$$

 $\log \left| \frac{x(x+6)}{(x+3)^8} \right| =$ (Simplify your answer.)

Answer: $\log x + \log (x+6) - 8 \log (x+3)$

lus (=) - Lus(A)-Lus

ID: 4.5.51



Los (X(X+6)) - los (X+3)=

(05 (X+6) - Los (X+3) =

Cos(X+6)- 8 Cos(X+3)

- 28. Solve the system of equations. If the system has no solution, say that it is inconsistent. 2x - 4y = -85x + y = 13

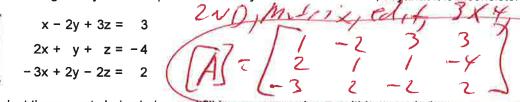
Select the correct choice below and, if necessary, fill in any answer boxes within your choice.

- \bigcirc A. The solution of the system is x =
 - (Type an integers or simplified fractions.)
- B. There are infinitely many solutions. Using ordered pairs, the solution can be written as , y any real number .
 - (Simplify your answer. Type an expression using y as the variable as needed.)
- C. The system is inconsistent.

Answer: A. The solution of the system is x =and y = (Type an integers or simplified fractions.)

and y =

- ID: 6.1.33
- 29. Solve the given system of equations. If the system has no solution, say that it is inconsistent.



Select the correct choice below and fill in any answer boxes within your choice

- \bigcirc **A.** The solution is x =, y = , and z = 🖫 (Type integers or simplified fractions.)
- B. There are infinitely many solutions. Using ordered triplets, they can be expressed as $\{(x,y,z) \mid x =$, y = , z any real number }. (Simplify your answers. Type expressions using z as the variable as needed.)
- C. There are infinitely many solutions. Using ordered triplets, they can be expressed as $\{(x,y,z) \mid x =$, y any real number, z any real number }.
- IND mitnix (Simplify your answer. Type an expression using y and z as the variables as needed.) D. The system is inconsistent.

Answer: A.

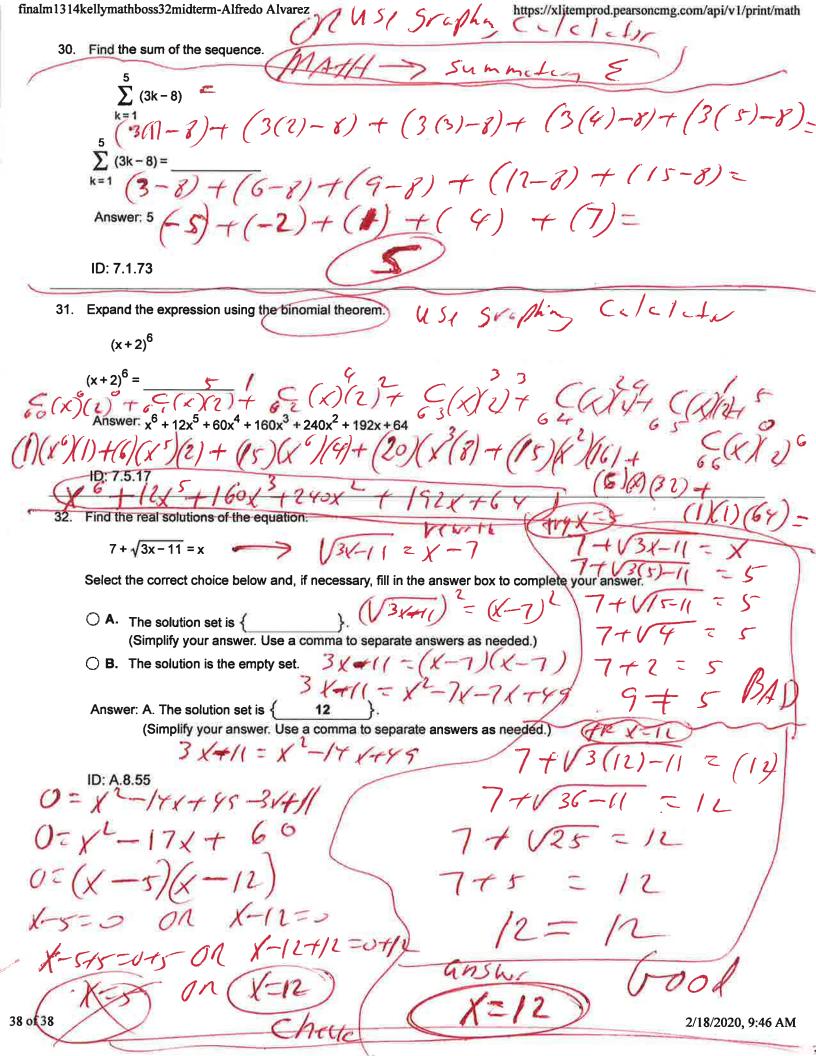
The solution is x =-2 -1 , and z =1 . (Type integers or simplified fractions.)

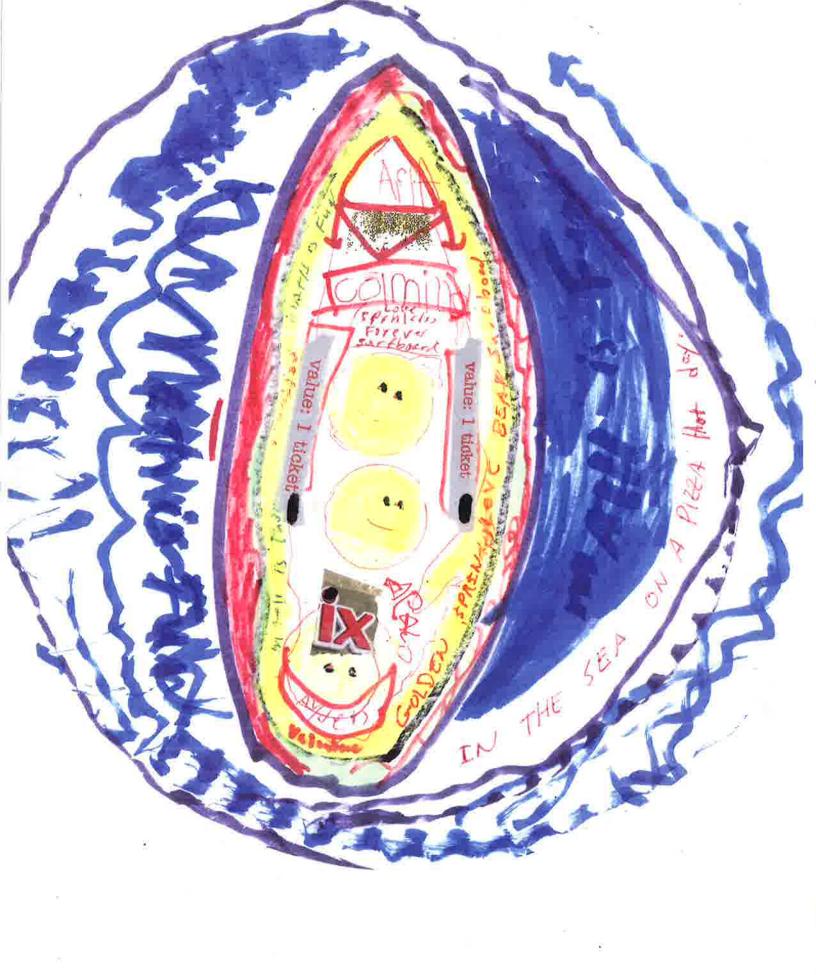
ID: 6.1.45

ENDI Metrix

2/18/2020, 9:46 AM

37 of 38





SMART BIRD

x4-4-2-3-6 74-12,43-12

