12-01-11 12-05-19 12-03-19 12-07-19 Assignment:

Student: ______
Date:

Instructor: Alfredo Alvarez
Course: Math 1314 Sullivan Coreg

finalm1314COC026sulllljjRZZ06

1. Solve the inequality 16 - 3x < 10. Graph the solution set.

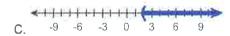
In set notation, the solution is $\{x | y | y \}$, (Type an inequality.)

Graph the solution set. Choose the correct graph below.

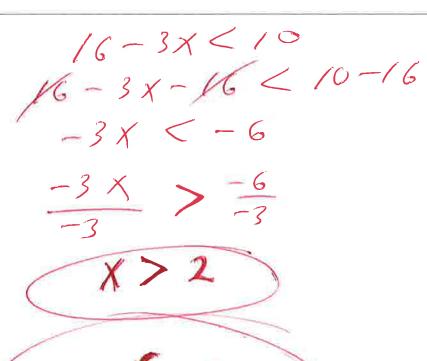


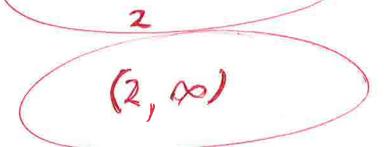


Answers x > 2



ID: 1.1.4





2. Find the following for the function $f(x) = 4x^2 + 4x - 4$.

(a) f(0)

(b) f(1)

(c) f(-1)

(d) f(-x)

(e) -f(x)

(f) f(x + 1)

(g) f(3x)

(h) f(x + h)

(a) f(0) = (Simplify your answer.)

(b) f(1) = (Simplify your answer.)

(c) f(-1) = (Simplify your answer.)

(d) f(-x) = (Simplify your answer.)

(e) -f(x) = (Simplify your answer.)

(f) f(x + 1) = (Simplify your answer.)

(g) f(3x) = (Simplify your answer.)

(h) f(x + h) = (Simplify your answer.)

Answers -4

4

-4

 $4x^2 - 4x - 4$

 $-4x^2 - 4x + 4$

 $4x^2 + 12x + 4$

 $36x^2 + 12x - 4$

 $4x^2 + 8hx + 4h^2 + 4x + 4h - 4$

ID: 1.1.43

f(x)= 4x2+4x-4 f(0) = 4 (6) 2 + 4 (0) -4 HO) = 4(0)(0) +4(01-4 HOT = 4(0) + 4(0) - 4 401 = 0+0-4 HO1 = 0-4 F(0) = -4 fx1 = 4x 1-44x-4 A(1)=4(1)2+4(1)-4 F(1)=4(1)(0+4(1)-4 P(1)= 4(1)+4(1)-4 A(1) = 4+4-4 P(1)=4

f(x)= 4x2+4x-4 f(-1)=4(-1)2+4(-1)-4 f(-1)=4(-1)(-1) +4(-1) - 4 F(-1)=4(1) +4(-1)-4 f(-1) = 4-4-4 F(-1) = 0-4 FX1=4X2-4X-4 f(-x)= 4(-x)2+4(-x)-4 f(x)=4(-x)(-x)+4(-x)-4 ((-x)=4(x2)-4(-x)-4 f(-x) = 4x2-4x-4 (2)e fx= 4x2+4x-4 -fx=-(4x2+4x-4) -fx=-4x2-4x+4

2) f $f(X) = 4X^{2} + 4X - 4$ $f(X+1) = 4(X+1)^{2} + 4(X+1) - 4$ f(X+1) = 4(X+1)(X+1) + 4(X+1) - 4 $f(X+1) = 4(X^{2} + 1X + 1X+1) + 4(X+1) - 4$ $f(X+1) = 4(X^{2} + 1X+1) + 4(X+1) - 4$ $f(X+1) = 4(X^{2} + 1X+1) + 4(X+1) - 4$ $f(X+1) = 4(X^{2} + 1X+1) + 4(X+1) - 4$ (2) g $f(x) = 4x^2 + 4x - 4$ $f(3x) = 4(3x)^2 + 4(3x) - 4$ f(3x) = 4(3x)(3x) + 4(3x) - 4 $f(3x) = 4(5x^2) + 4(3x) - 4$ $f(3x) = 36x^2 + 12x - 4$ (2) h $f(x) = 4x^2 + 4x - 4$ $f(x+h) = 4(x+h)^2 + 4(x+h) - 4$

(2)h = 4x + 4x - 4 $f(x+h) = 4(x+h)^{2} + 4(x+h) - 4$ f(x+h) = 4(x+h)(x+h) + 4(x+h) - 4 $f(x+h) = 4(x^{2} + 1xh + 1xh + h^{2}) + 4(x+h) - 4$ $f(x+h) = 4(x^{2} + 2xh + h^{2}) + 4(x+h) - 4$ $f(x+h) = 4x^{2} + 8xh + 4h^{2} + 4x + 4h - 4$

3	Find	the	domain	of the	function.
J.	FIIIQ	uie	uomam	OI THE	Turiculori.

$$f(x) = \sqrt{5x - 25}$$

The domain is

(Type your answer in interval notation.)

Answer: [5,∞)

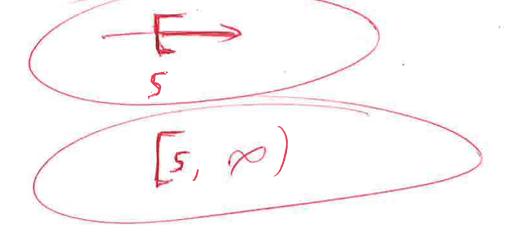
ID: 1.1.59

fx1=V5x-25 set 5x-25 = 0 5x-25+25 = 0+25

2 of 27

 $5x - 25 + 25 \ge 0 + 25$ $5x \ge 25$ $5x \ge 25$

formula La = (AX+B) 9/6/2019, 11:47 AM Set AX+B>0



┱.	of the given functions (and g, complete parts (a)-(ii). For parts (a)-(d), also find the domain.
	f(x) = 5x + 9; $g(x) = 9x - 2$
	(a) Find $(f+g)(x)$. $ (5x+9) + (9x-2) = (5x+9) + (5x+9)$
	(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 $\{x \mid f(x) = f(x) \mid f(x) = f(x) \mid f(x) = f(x) \mid f(x) = f(x) \mid f(x) \mid$
	○ B. The domain is {x x is any real number}.
	(b) Find $(f-g)(x)$.
	(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 $\{x \mid x \mid$
	B. The domain is $\{x \mid x \text{ is any real number}\}$.
	(a) Find (f. a)(v)
	$(f \cdot g)(x) = $ (Simplify your answer.) $ (f \cdot 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.
	(Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.) ($x = x = x = x = x = x = x = x = x = x =$
	B. The domain is $\{x \mid x \text{ is any real number}\}$. $\frac{f(x)}{f(x)} = \frac{f(x)}{f(x)} = \frac{f(x)}{f(x)}$
	(d) Find $\left(\frac{f}{g}\right)(x)$.
	$\left(\frac{f}{g}\right)(x) = \frac{f}{g}(x) = \frac{g}{g}(x) =$
	What is the domain of $\frac{1}{g}$? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.
	A. The domain is $\{x \{x \} \}$. (Use integers or fractions for any numbers in the expression. Use a comma to separate
	answers as needed.) $(4+9)(3) = (4/3) + 7$
	B. The domain is $\{x \mid x \text{ is any real number}\}$. $(3) = 42+7$
	(e) Find $(f+g)(3)$.
	1414()

(f+g)(3) =(Type an integer or a simplified fraction.)

(f) Find (f - g)(2).

(Type an integer or a simplified fraction.) (f - g)(2) =

(g) Find (f • g)(4).

 $(f \cdot g)(4) =$ (Type an integer or a simplified fraction.)

(h) Find $\left(\frac{f}{g}\right)$ (1).

 $\left(\frac{f}{g}\right)(1) = \left[$ (Type an integer or a simplified fraction.)

(x)=45x2+71X-18 (g)(4)= 45(4)2+71(4)-18

Answers 14x + 7

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

-4x + 11

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

 $45x^2 + 71x - 18$

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

5x + 99x - 2

A. The domain is $\{x \mid$

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

49

3

986

2

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.

 $f(x) = x^2 - 8x + 7$ $(x+h)^2 - 2(x+h) + 7 - (x^2 - 1x + 1) = 6$

 $\frac{f(x+h)-f(x)}{h} = \frac{(x+h)(x+h)-3x-3h+7-x^{2}+3x-7}{x^{2}+3x-7}$

Answer: 2x+h-8 $x^2+xh+1xh+h^2-8x-8h+1$ ID: 1.1.83 $x^2+2xh+h^2-8x-8h+1$

ID: 1.1.83

25 = (2x+h-8 2xh+h - 3h - 2xh +6

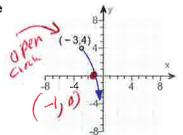
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9/6/2019, 11:47 AM

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



- (b) the intercepts, if any
- (c) any symmetry with respect to the x-axis, y-axis, or the origin



Does the graph represent a function? Choose the correct answer below.

- A. Yes, the graph is a function because every vertical line intersects the graph in more than one
- \bigcirc B. No, the graph is not a function because a vertical line x = -2 intersects the graph at only one
- Yes, the graph is a function because every vertical line intersects the graph in at most one
- \bigcirc D. No, the graph is not a function because a vertical line x = -2 intersects the graph at two points.
- (a) What are the domain and range of the function? Select the correct choice below and, if necessary, fill in the answer box(es) to complete your choice. (Left

(Type your answers in interval notation. Use integers or fractions for any numbers in the expressions.)

- B. The graph is not that of a function.
- (b) What is/are the intercept(s)? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

The intercept(s) is/are (Type an ordered pair. Use a comma to separate answers as needed.)

- B. There are no intercepts.
- C. The graph is not that of a function.
- (c) Determine if the graph is symmetric with respect to the x-axis, y-axis, or the origin. Select all that apply.
- A. The graph is symmetric with respect to the origin.
- B. The graph is symmetric with respect to the y-axis.
- C. The graph is symmetric with respect to the x-axis.
- D. The graph has no symmetry.
- E. The graph is not that of a function.

Answers C. Yes, the graph is a function because every vertical line intersects the graph in at most one point.

A. The domain is (-3,0). The range is $(-\infty,4)$. (Type your answers in interval notation. Use integers or fractions for any numbers in the expressions.)

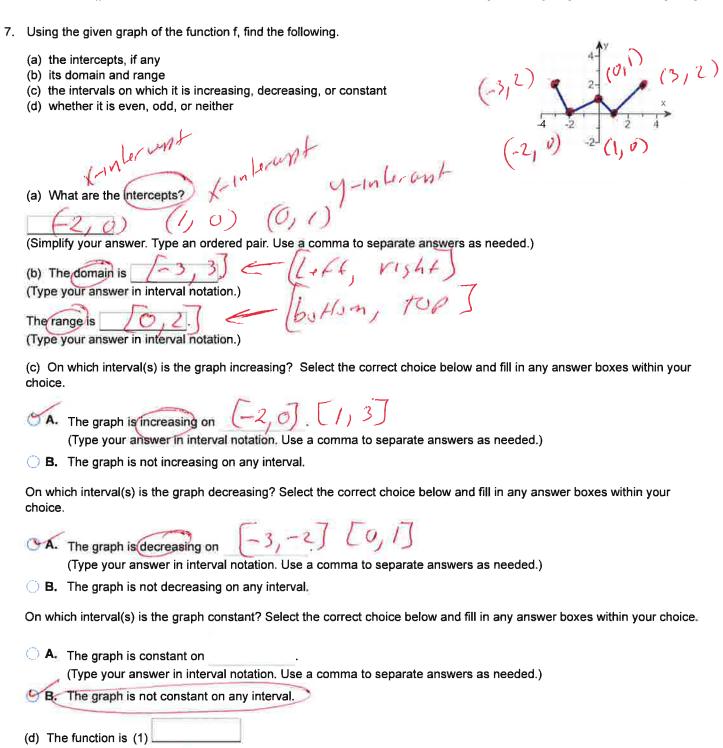
A. The intercept(s) is/are (-1,0) .(Type an ordered pair. Use a comma to separate answers as needed.)

D. The graph has no symmetry.

ID: 1.2.19

neither odd nor even.

even.



```
Answers (-2,0),(1,0),(0,1)

[-3,3]

[0,2]

A. The graph is increasing on [-2,0],[1,3].

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

A. The graph is decreasing on [-3,-2],[0,1].

(Type your answer in interval notation. Use a comma to separate answers as needed.)
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B. The graph is not constant on any interval.

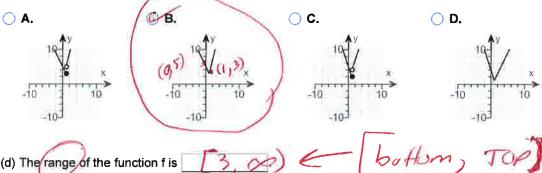
(1) neither odd nor even.

ID: 1.3.25

8. The function f is defined as follows.

$$f(x) = \begin{cases} -2x + 5 & \text{if } x < 1 \\ 4x - 1 & \text{if } x \ge 1 \end{cases}$$

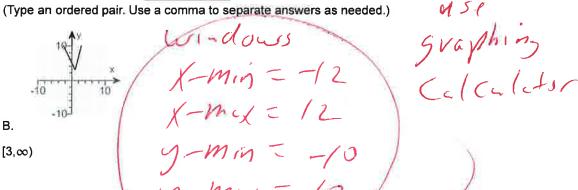
- (a) Find the domain of the function.
- (b) Locate any intercepts.
- (c) Graph the function.
- (d) Based on the graph, find the range.
- (left, right) (a) The domain of the function f is (Type your answer in interval notation.)
- (b) Locate any intercepts. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.
- A. The intercept(s) is/are (Type an ordered pair. Use a comma to separate answers as needed.)
- B. There are no intercepts.
- (c) Choose the correct graph below.



(d) The range of the function f is (Type your answer in interval notation.)

Answers $(-\infty,\infty)$

A. The intercept(s) is/are (0,5)

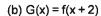


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9. The graph of a function f is illustrated to the right. Use the graph of f as the first step toward graphing each of the following functions.



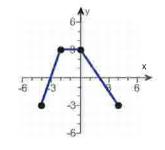


(c)
$$P(x) = -f(x)$$

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

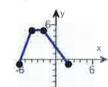
(e) Q(x) =
$$\frac{1}{3}$$
f(x)

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

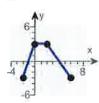


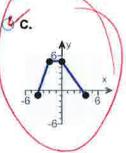
- (g) h(x) = f(2x)
- (a) Choose the correct graph of F(x) = f(x) + 2 below.



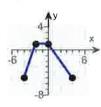


B.



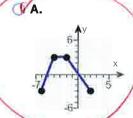


(D.



(b) Choose the correct graph of G(x) = f(x + 2) below:





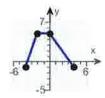
B.



○ C.

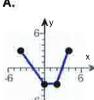


O D.

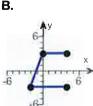


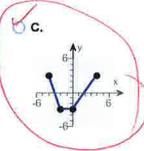
(c) Choose the correct graph of P(x) = -f(x) below.

○ A.

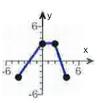


○ B.



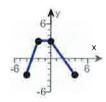


(D.

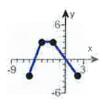


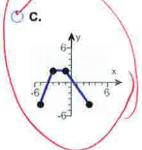
(d) Choose the correct graph of H(x) = f(x + 1) - 1 below.

(A.

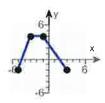


() B.

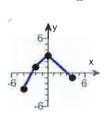


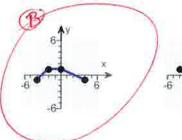


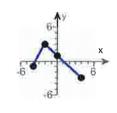
O D.



(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.



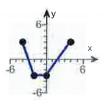






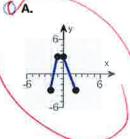


O D.



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





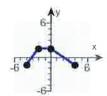
O B.



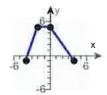
O C.



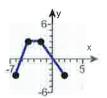
O D.



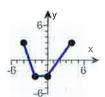
Answers



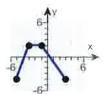
C



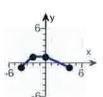
Α



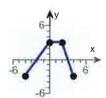
C.



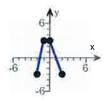
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В.



C.



A.

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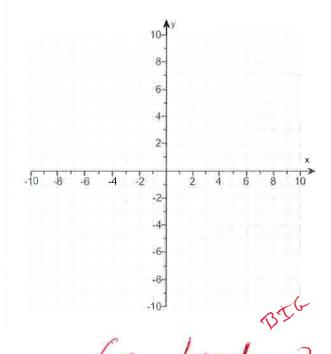
10:

- (a) Graph f(x) = |x + 5| 3 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.)



X-intercent (-8,0)

Answers

x-min = -12 x-min = -12 x-min = -12 Use graphing Calculator

12012

ID: 1.5.81

9

4,=abs (X+5)-

11. Find the zeros of the quadratic function using the square root method. What are the x-intercepts of the graph of the 76 (rewrite

$$g(x) = (x - 1)^2 - 36$$

Select the correct choice below and 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.) V-1= ±6

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

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

function?

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

ID: 2.3.29

12. 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?

 $f(x) = 8x^2 - 3 + 4x$

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

- B. are
- C. There is no real zero solution and no x-intercept.

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

$$=\frac{-1+\sqrt{7}}{4},\frac{-1-\sqrt{7}}{4}$$

ID: 2.3.47



$$\chi = -1 - \sqrt{7}$$



For the quadratic function $f(x) = x^2 - 2x - 8$, 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

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?

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.)

OB. 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.

(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.

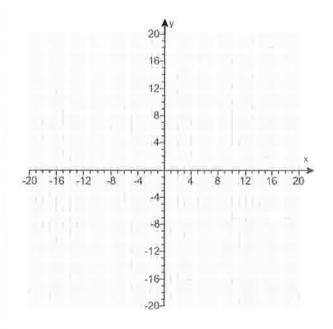
The domain of f is ______.
(Type your answer in interval notation.)

The range of f is _____.

(Type your answer in interval notation.)

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

The function is increasing on the interval _____.
(Type your answer in interval notation.)





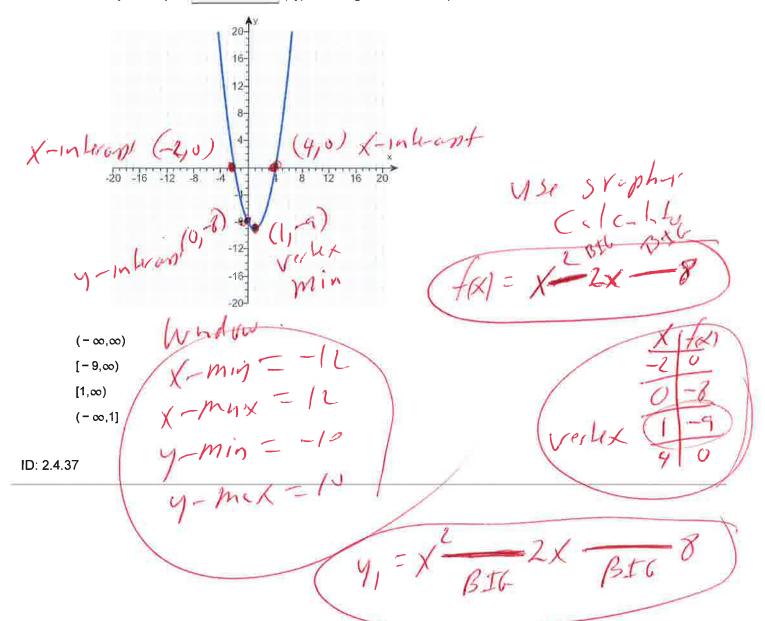
(1, -9)

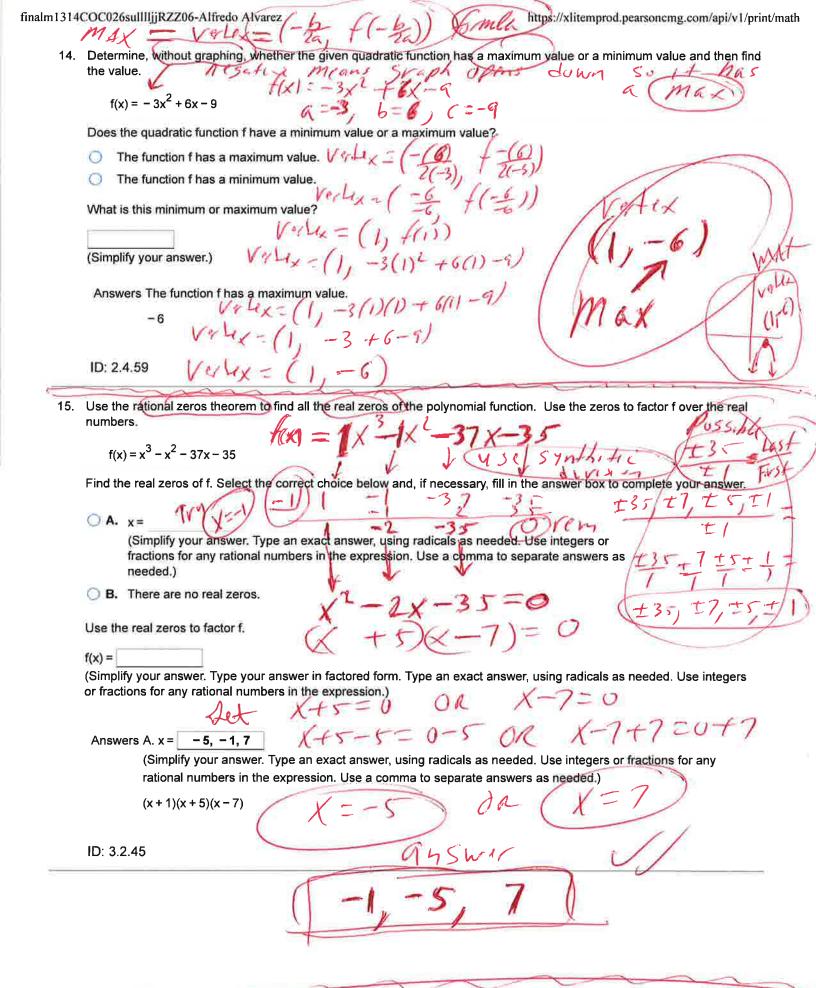
x = 1

A. The x-intercept(s) is/are 4, -2

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

A. The y-intercept is -8 .(Type an integer or a decimal.)





16. Find the vertical, horizontal, and oblique asymptotes, if any, for the following rational function.

$$R(x) = \frac{11x}{x + 16}$$

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

- A. The vertical asymptote(s) is/are x = (Use a comma to separate answers as needed.)
- B. There is no vertical asymptote.

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

- B. There is no horizontal asymptote.

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

- A. The oblique asymptote(s) is/are y = (Use a comma to separate answers as needed.)
- B. There is no oblique asymptote.

Answers A. The vertical asymptote(s) is/are x = -16 .(Use a comma to separate answers as needed.)

A. The horizontal asymptote(s) is/are y = 11 .(Use a comma to separate answers as needed.)

B. There is no oblique asymptote.

ID: 3.4.45

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X= 16 Venticil asymptotic Since pours

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is no lot

Oblish asympthe

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17.	For $f(x) = 4x + 7$ and $g(x) = 2x$, find the following composite functions and state the domain of each,							
		g (b) $g \circ f$ (c) $f \circ f$ (d) $g \circ g$						
	(a) (f o	g)(x) = (Simplify your answer.)						
	Select the correct choice below and fill in any answer boxes within your choice.							
	 ○ A. The domain of f ∘ g is {x }. (Type an inequality. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.) 							
	○ B.	The domain of f ∘ g is all real numbers.						
	(b) (g	f(x) = (Simplify your answer.)						
	Select the correct choice below and fill in any answer boxes within your choice							
	 A. The domain of g o f is {x }. (Type an inequality. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.) 							
	○ B.	The domain of g ∘ f is all real numbers.						
	(c) (f o	f)(x) = (Simplify your answer.)						
	Select the correct choice below and fill in any answer boxes within your choice.							
	○ A.	The domain of $f \circ f$ is $\{x \mid \underline{\hspace{1cm}}\}$. (Type an inequality. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)						
	○ B.	The domain of f o f is all real numbers.						
	(d) (g c	g)(x) = (Simplify your answer.)						
	Select the correct choice below and fill in any answer boxes within your choice.							
	○ A.	The domain of $g \circ g$ is $\{x \mid \underline{\hspace{1cm}}\}$. (Type an inequality. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)						
	○ B.	The domain of g ∘ g is all real numbers.						
	Answ	ers 8x + 7						
		B. The domain of f ∘ g is all real numbers.						
		8x + 14						
		B. The domain of g ∘ f is all real numbers.						
		16x + 35						
		B. The domain of f ∘ f is all real numbers.						
		4x						
		B. The domain of $g \circ g$ is all real numbers.						

ID: 4.1.23

$$f(x) = 4x + 7$$
 and $g(x) = 2x$
 $(f \circ g)(x) = f(g(x)) = f(g(x)) = g(g(x)) = g(g(x))$



f(x)= 4x+7 and 5(x)= 2x

 $(f \circ f)(x) = f(f \circ f)(x) = f$

4 (4x+7)+7 = 16x+28+7=

16×+35=

(domin

f(x1 = 4x+7 and g(x) = 2 x

 $(905)(x)^{2}$ $g(5(x))^{2}$ g(2x) =

2(2x) =1

(doma-



The function f(x) = 5x - 1 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.
- A. The domain is {x|x≤
- O B. The domain is {x|x≠ }
- \bigcirc **C.** The domain is $\{x|x \ge \}$
- 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.

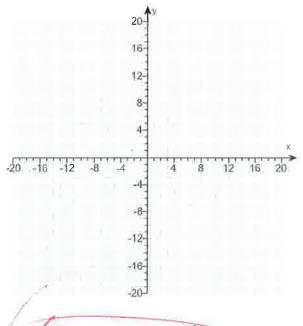
- A. The range is {y|y≥
- B. The range is $\{y|y \le \}$.
- C. The range is {y|y≠
- O. The range is the set of all real numbers.

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≤
- 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 $\{y|y\ge$ _____}
- B. The range is {y|y≠ _____}.
- \bigcirc C. The range is $\{y|y \le \}$.
- D. The range is the set of all real numbers.
- (c) Graph f, f^{-1} , and y = x on the same coordinate axes. Use the graphing tool to graph the functions.



1/2 5 x - 1 set y= y= 5 x - 1 set y= X = 5 y - 1 set y= X = 5 y - 1 + 1

y = X+1

yewite/

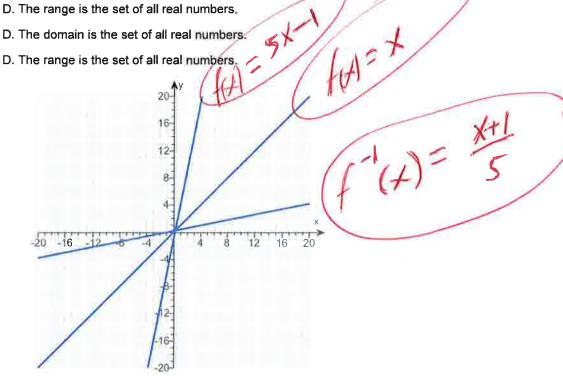
= X+1

Answers $\frac{x+1}{5}$

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.



ID: 4.2.53

19. Solve the equation.

$$4^{-x+21} = 32^{x}$$

The solution set is {

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

Answer: 6

ID: 4.3.73

-1x =54-42 -7x -5x =5x-42-5x

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24 of 27

20. Solve the equation.

$$\log_2(8x + 3) = 4$$

Change the given logarithmic equation to exponential form.



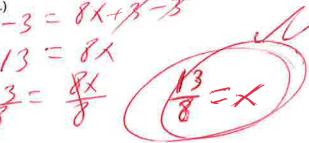
The solution set is √

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

Answers $8x + 3 = 2^4$

ID: 4.4.91-Setup & Solve





21. Solve the logarithmic equation.

$$\log x + \log (x + 21) = 2$$

Determine the equation to be solved after removing the logarithm.

(Type an equation. Do not simplify.)

Select the correct choice below and, if necessary

○ A. The solution set is {

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

B. There is no solution.

A. The solution set is

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

ID: 4.6.17-Setup & Solve

22. Find the amount that results from the given investment.

(Round to the nearest cent as needed.)

A=P(1+5)

4(2)

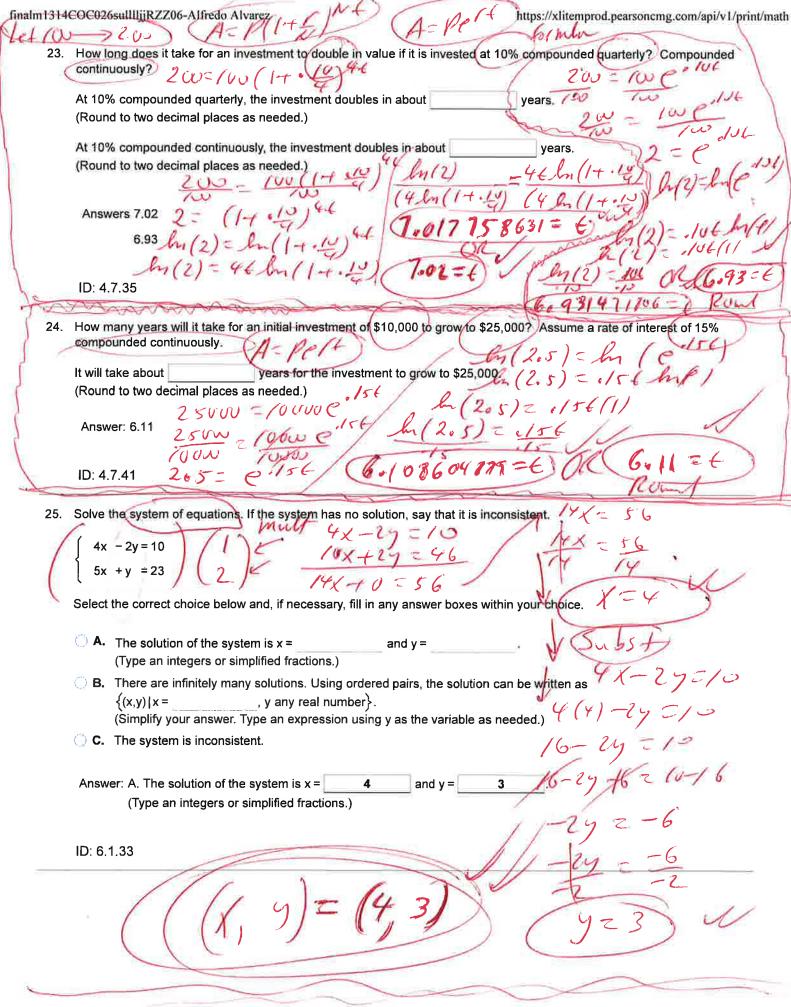
\$600 invested at 6% compounded quarterly after a period of 2 years

After 2 years, the investment results in \$

Answer: 675.90

ID: 4.7.7

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26. Solve the given system of equations. If the system has no solution, say that it is inconsistent.

$$x - 3y + 4z = 17$$

 $2x + y + z = 6$
 $-2x + 3y - 3z = -16$

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

- 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 $\{(x,y,z) \mid x = \dots, y = \dots, z \text{ any real number}\}$. (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 $\{(x,y,z) \mid x = , y \text{ any real number, } z \text{ any real number} \}$. (Simplify your answer. Type an expression using y and z as the variables as needed.)
- O. The system is inconsistent.

Answer: A.

The solution is x = 2, y = -1, and z = 3. (Type integers or simplified fractions.)

ID: 6.1.45

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