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Student:	Instructor: Alfredo Alvarez
Date:	Course: Math 1314 Sullivan Coreq

Assignment:

finalm1314COC025sulllijjRZZ26X

1. Solve the equation.

$$5x^3 + x^2 - 20x - 4 = 0$$

The solution set is {

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

-20

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divis.

2. Find the domain of the function.

$$f(x) = \sqrt{2x - 10}$$

The domain is

(Type your answer in interval notation.)

Answer:  $[5,\infty)$ 

ID: 1.1.59

 $f(x) = \sqrt{2x-10}$ Aut  $2x-10 \ge 0$   $2x-10/4/6 \ge 0+10$ 

<b>3</b> .	rol the given functions rand g, complete parts (a)-(n). For parts (a)-(d), also find the domain.
	f(x) = 2x + 9; $g(x) = 9x - 4$
	(a) Find $(f+g)(x)$ . $(2x+9)+(9x-8)=$ Jumain
	(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 $\{x   y \in Y \}$ .  (Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)
	O B. The domain is {x   x is any real number}.
	(b) Find $(f-g)(x)$ . $(2X+g)-(9X-4)=$
	(b) 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.
	(Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)
	B. The domain is {x   x is any real number}.
-	(c) Find $(f \cdot g)(x)$ . $(2x+9)(9x-4) = (-\infty, \infty)$
	$(f \cdot g)(x) =$ (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.)
	OB. The domain is $\{x \mid x \text{ is any real number}\}$ .
	$(f) \qquad (g) $
	(d) Find $\left(\frac{f}{g}\right)(x)$ .
	$\left(\frac{f}{g}\right)(x) = $ (Simplify your answer.)
	$(g)^{(v)}$ $=$ $(g)^{(v)}$
	What is the domain of $\frac{f}{g}$ ? Select the correct choice below and, if necessary, fill in the answer box to complete your choice.
	A. The domain is $\{x \mid (3) \neq $
	answers as needed.)  B. The domain is $\{x \mid x \text{ is any real number}\}$ .
	(e) Find $(f+g)(3)$ .

(f+g)(3) =

(Type an integer or a simplified fraction.)

**(f)** Find (f − g)(2).

(f - g)(2) =

(Type an integer or a simplified fraction.)

f-g(2) = -7(2) + 6 f-g(2) = -14+13f-g(2) = -14

(g) Find (f • g)(4).

(f • g)(4) =

(Type an integer or a simplified fraction.)

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

 $\left(\frac{f}{g}\right)(1) =$ 

(Type an integer or a simplified fraction.)

(409)(x) = 18x +73x -36 4.9)(4)=18(4)2+73(4)-36 (4)=18(4)(4)+73(4)-36

f(3) = 18(16) + 13(4) = 288 + 292 - 36

Answers 11x + 5

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

-7x + 13

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

 $18x^2 + 73x - 36$ 

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

 $\frac{2x+9}{9x-4}$ 

A. The domain is  $\left\{ x \middle| x \neq \frac{4}{9} \right\}$ 

(f)(x) = 2x+9 9x-4

(f) (1) = 9(1) -4

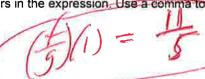
(Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

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11 5



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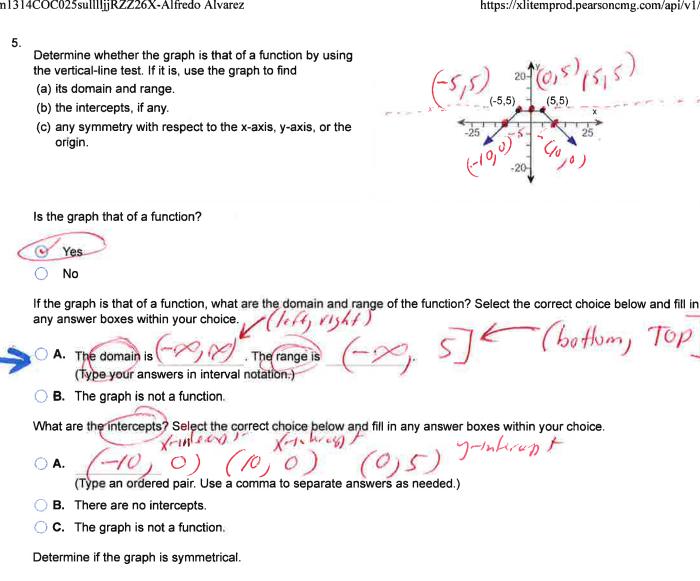
Find the difference quotient of f; that is, find  $\frac{f(x+h)-f(x)}{h}$ ,  $h \ne 0$ , for the following function. Be sure to simplify.

 $f(x) = x^2 - 2x + 6$   $(x+4) - 2(x+4) + 6 = (x^2 - 2x + 6) = 6$ 

 $\frac{f(x+h)-f(x)}{h} = (x+h)(x+h) - 2x-2h+6 - x^2+2x-6 = x^2+2x-6$ 

Answer: 2x+h-2 x+1 xh+1  $xh+h^2-1$  x-2h+6  $x^2+2x-6$ 

1D: 1.1.83  $2xh + h^2 - 2h = 2xh + h^2 - 2h = 2x + h - 2$ 



A. It is symmetrical with respect to the origin.

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

C. It is symmetrical with respect to the x-axis.

D. The graph is not symmetrical.

E. The graph is not a function.

Answers Yes

(Type your answers in interval notation.)  $(-\infty,\infty)$ . The range is  $(-\infty,5]$ 

A. (10,0),(-10,0),(0,5) (Type an ordered pair. Use a comma to separate answers as needed.)

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

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6.	Using the given graph of the function f, find the following.	A
	<ul> <li>(a) the intercepts, if any</li> <li>(b) its domain and range</li> <li>(c) the intervals on which it is increasing, decreasing, or constant</li> <li>(d) whether it is even, odd, or neither</li> </ul>	4-y(0) (3) 3)
<b>-</b>	(a) What are the intercepts?  (b) The domain is [-3, 3] Figure 1 (10)  (a) What are the intercepts?  (b) The domain is [-3, 3] Figure 1 (10)  (c) Control of the control of	eat doubte become is best 2:34 am on any high
->	(Type your answer in interval notation.)  The range is	ringk tean sweet.
	(c) On which interval(s) is the graph increasing? Select the correct choice below and fill in any answ choice.	er boxes within your
	A. The graph is increasing on (Type your answer in interval notation. Use a comma to separate answers as needed.)	
	○ B. The graph is not increasing on any interval	
	On which interval(s) is the graph decreasing? Select the correct choice below and fill in any answer b choice.  A. The graph is decreasing on	oxes within your
	(Type your answer in interval notation. Use a comma to separate answers as needed.)	
	On which interval(s) is the graph constant? Select the correct choice below and fill in any answer box.	es within your choice.
	A. The graph is constant on	
	**B. The graph is not constant on any interval.	
	(d) The function is (1)	
	(1) even.  O neither odd nor even.	
	O odd	

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Answers (-1,0),(1,0),(0,1)

[-3,3]

[0,3]

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

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

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

(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.
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ID: 1.3.25

7. The function f is defined as follows.

$$f(x) = \begin{cases} 3+x & \text{if } x < 0 \\ x^2 & \text{if } x \ge 0 \end{cases}$$

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

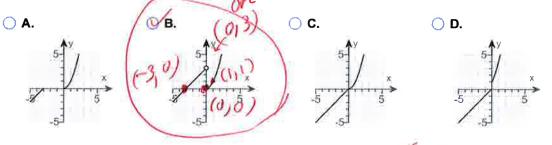
(a) The domain of the function f is / -(Type your answer in interval notation.)

(left, Vish+)

- (b) Locate any intercepts. Select the correct choice below and, if necessary, fill in the answer box to complete your choice. X-Interagn +
- 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 of f(x) below.



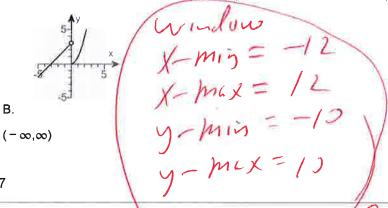


(d) The range of the function f is (Type your answer in interval notation.)

Answers  $(-\infty,\infty)$ 

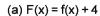
A. The intercept(s) is/are (-3,0),(0,0)

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



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8. 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.



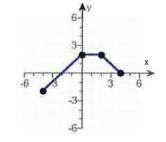
(b) 
$$G(x) = f(x + 4)$$

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

(d) 
$$H(x) = f(x + 2) - 1$$

(e) 
$$Q(x) = \frac{1}{2}f(x)$$

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



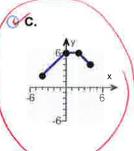
- (g) h(x) = f(2x)
- (a) Choose the correct graph of F(x) = f(x) + 4 below.



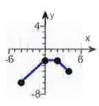


( B.



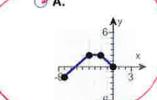


O D.



(b) Choose the correct graph of G(x) = f(x + 4) below.





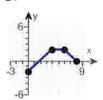
( B.



O C.



O D.



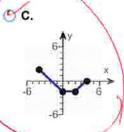
(c) Choose the correct graph of P(x) = -f(x) below.



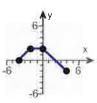


○ B.





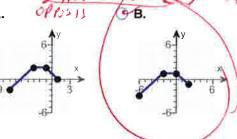
O D.



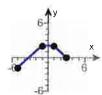
(d) Choose the correct graph of H(x) = f(x + 2) - 1 below. Wiff down



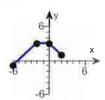
A.



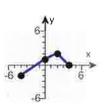
○ C.



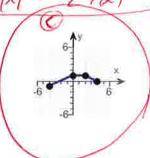
O D.

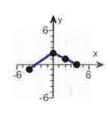


(e) Choose the correct graph of  $Q(x) = \frac{1}{2}f(x)$  below.

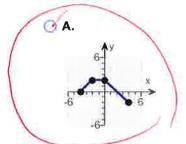




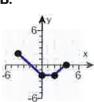




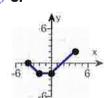
(f) Choose the correct graph of g(x) = f(-x) below.



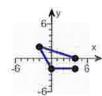




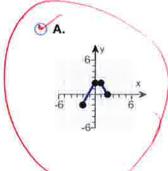
**○ c**.



O D.



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



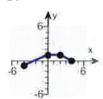
○ B.



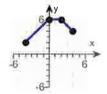
O C.



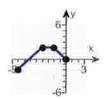
O D.



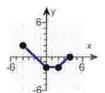
## Answers



C.



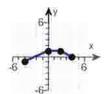
A.



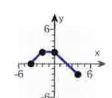
C.



В.

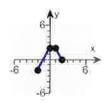


C.



A.

A.



ID: 1.5.63

9.

(a) Graph f(x) = |x + 6| - 3 using transformations.

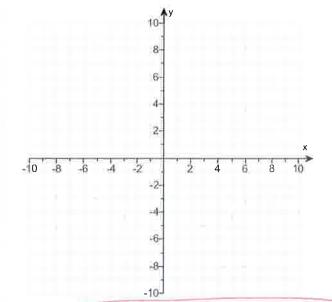
(b) Find the area of the region bounded by f and the x-axis that lies below the x-axis.

(a) Graph f(x).

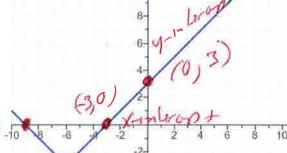
(Use the graphing tool provided to graph the function.)

(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.)



**Answers** 



9

ID: 1.5.81



$$X - VX - 72 = 0$$



$$(64) - \sqrt{69} - 72 = 0$$



$$(81)$$
 -  $(81)$  -  $($ 

For the quadratic function  $f(x) = x^2 + 4x - 12$ , 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/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.

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

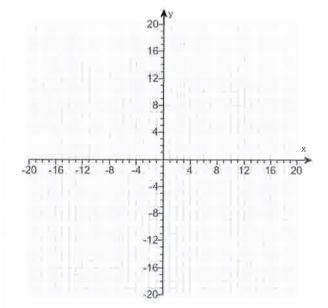
(Type your answer in interval notation.)

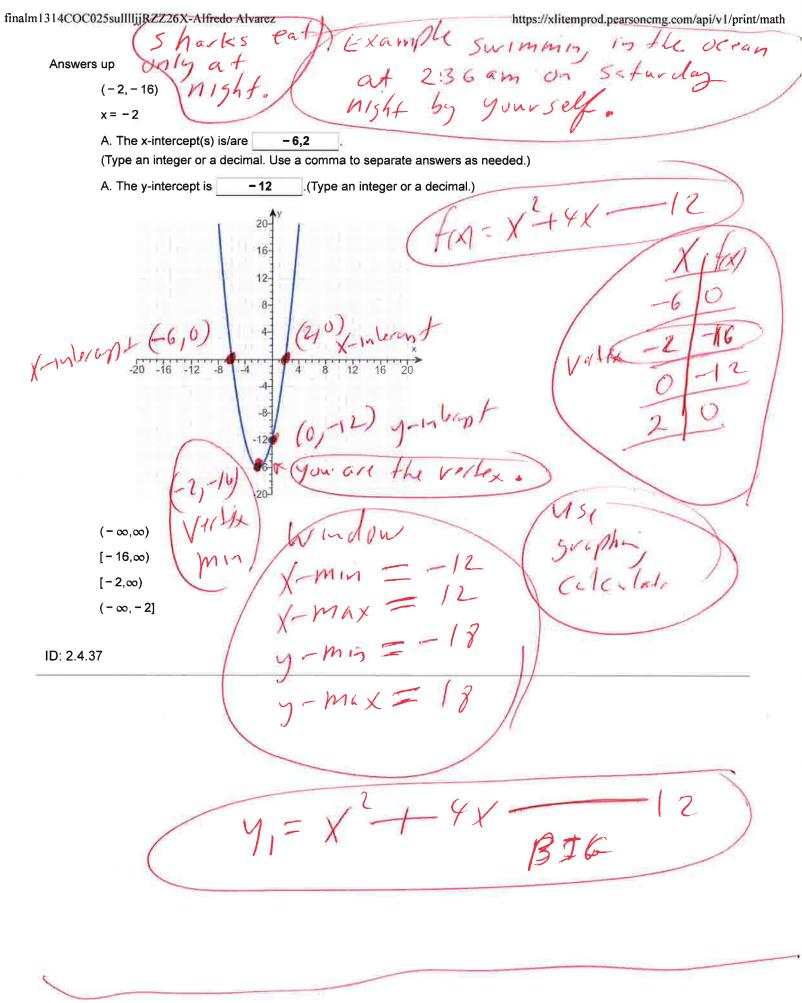
The range of f is

(Type your answer in interval notation.)

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

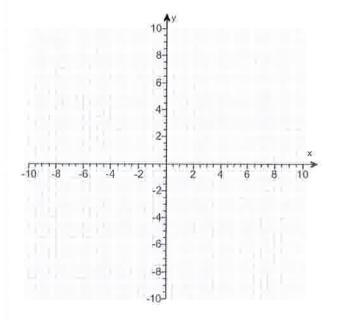
The function is increasing on the interval (Type your answer in interval notation.)





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

(Type your answer in interval notation.)





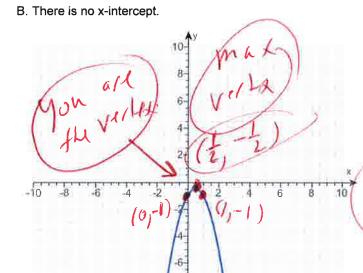
Answers (1) down,

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

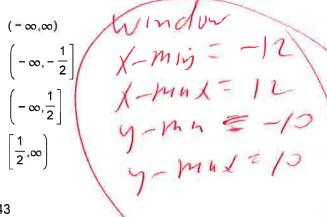
$$x = \frac{1}{2}$$

the sea at 3:33 am by your the sea at eating a triple meat, triple cheese triple bacon, but hamburser with a diet soda.

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



(FOX) 2-2×2+2X-1 (Sephon) (Volume) (Color) (Malla) (



Shark sales at sleep at sharks sleep at unly night and unly laytime eat in the daytime

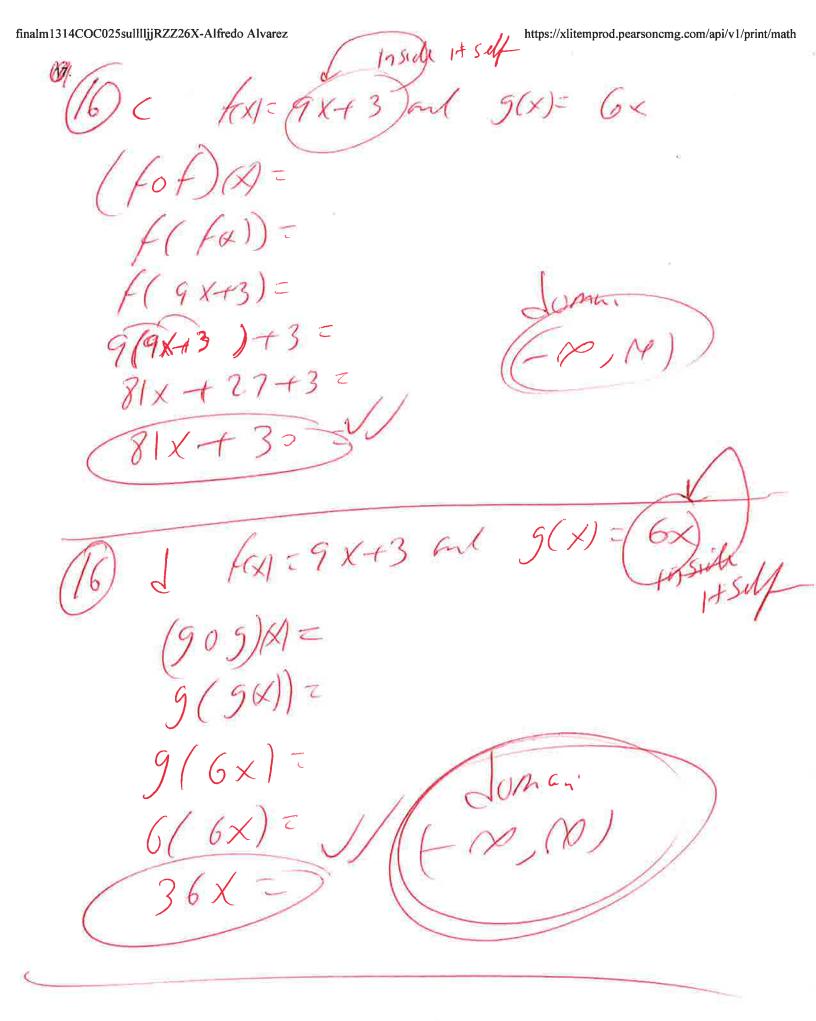
ID: 2.4.43

41=-2x + 2x - BIG

14. Determine, without graphing, whether the given quadratic function has a maximum value or a minimum value and then find	
the value. Since sign is negative then graph opens down	1
$f(x) = -3x^2 + 18x - 8$	
Does the quadratic function f have a minimum value or a maximum value?	
The function f has a minimum value. Vertex = (-b f(b) 7-(3 27-8)	
The function f has a maximum value,	6
What is this minimum or maximum value? $(2(-3), (2(-3)),$	
Vale = (-18 f(-12))	
(Simplify your answer.)	
Answers The function f has a maximum value. = (3, f(3))	
19 Vill = = (3, -3(3)+18(3)-8)	
Verlex = (3, -3(3)(3)+17(3)-8)	
ID: 2.4.59 Verle = (3, -3(9) + 18/3)-8)	
	_
15. Find the vertical, horizontal, and oblique asymptotes, if any, for the following rational function:  5x  Find Virtual 65 mph/le  XT/Y-14=0-(4)	1
$R(x) = \frac{5x}{x+14}$	<
Select the correct choice below and fill in any answer boxes within your choice.	
O A. The vertical asymptote(s) is/are x =  (Use a comma to separate answers as needed.)  O B. There is no vertical asymptote  O C C C C C C C C C C C C C C C C C C	0
(Use a comma to separate answers as needed.) 5 X  B. There is no vertical asymptote. $R(X) = 1X + 1Y$ $R(X) = 1X + 1Y$ $R(X) = 1X + 1Y$	
1 Mishes four with	مامد
Select the correct choice below and fill in any answer boxes within your choice.  A. The horizontal asymptote(s) is/are y =	
The horizontal asymptotic (a) for are y	
(Use a comma to separate answers as needed.)	
OB. 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 = -14 .(Use a comma to separate answers as needed.)	
A. The horizontal asymptote(s) is/are y = 5 .(Use a comma to separate answers as needed.)	
P. There is no oblique competate	
Since power (griphes )	
ID: 3.4.45 Same as Highest power on button	
the they is no atting	
as makel.	
or your off.	
18 of 26.	PM

16.	For f(x	() = 9x +	3 and $g(x) = 0$	6x, find the follow	ing composite	functions and state the domain of each,
	(a) fo	g	(b) gof	(c) fof	(d) g o g	
3	(a) (f	o g)(x) =		(Simplify yo	our answer.)	
	Select	the cor	rect choice b	elow and fill in ar	ny answer box	es within your choice.
	<b>A.</b>	(Type	an inequality.	is {x   Use integers or answers as nee	fractions for a	ny numbers in the expression. Use a
	() В.	The d	omain of f∘g	is all real number	ers.	
7	(b) (g	o f)(x) =		(Simplify yo	our answer.)	
	Select	the cor	rect choice be	elow and fill in an	y answer box	es within your choice.
	<b>A</b> .	(Type	an inequality.	is {x   Use integers or answers as need	fractions for a	ny numbers in the expression. Use a
	○ B.	The de	omain of g o f	is all real numbe	ers.	
	(c) (f o	f)(x) =	4	(Simplify you	ur answer.)	
	Select	the cor	rect choice be	elow and fill in an	y answer boxe	es within your choice.
	<b>A.</b>	(Type	an inequality.	is {x   Use integers or answers as nee	fractions for ar	ny numbers in the expression. Use a
	○ В.	The de	omain of f o f	s all real number	s.	
	(d) (g	o g)(x) =		(Simplify ye	our answer.)	
	Select	the cor	rect choice be	elow and fill in an	y answer boxe	es within your choice.
	<b>A.</b>	(Type				ny numbers in the expression. Use a
	○ В.	The do	omain of g o g	is all real numbe	ers.	
	Answ	ers 54x	x + 3			
		В.	Γhe domain o	ff∘g is all real n	umbers.	
		54×	:+ 18			
		В. Т	The domain o	fg o f is all real n	umbers.	
		81x	+ 30			
		В. Т	The domain o	ff∘fis all real nu	umbers.	
		36x	:			
		В. Т	The domain o	fg∘g is all real r	numbers.	

ID: 4.1.23 f(x)= 9x+3 an (9(x)=(6 (409) (A) = F( g(x))= f(6x)= 9(6x)+3= 54X +3 = f(x) = (9 x+3) and 5(x) = 6x (90f)(X)= 9/ (x))= 6(9X+3)= C4X + 18=)



The function f(x) = 12x + 4 is one-to-one.

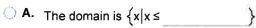
- (a) Find the inverse of f and check the answer.
- (b) Find the domain and the range of f and f<sup>-1</sup>.
- (c) Graph f,  $f^{-1}$ , and y = x on the same coordinate axes.



(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.



- $\bigcirc$  B. The domain is  $\{x|x \neq \}$
- C. The domain is {x|x≥
- 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.

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

Find the domain of f<sup>-1</sup>. Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

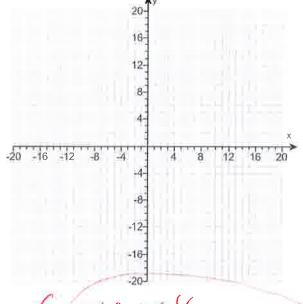
- ♠ A. The domain is {x|x≠\_\_\_\_\_\_}
- B. The domain is {x|x≥
- C. The domain is {x|x ≤
- The domain is the set of all real numbers.

Find the range of f<sup>-1</sup>. Select the correct choice below and if necessary, fill in the answer box to complete your choice.



- $\bigcirc$  B. The range is  $\{y|y \leq \underline{\hspace{1cm}}\}$ .
- $\bigcirc$  **C.** The range is  $\{y|y \ge \_\_$ .
- 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 = 12x + 4 e Set y = y = 12x + 4 e Set y = x = 12y + 4 e Var X-y y = 12y + 4 - 4 e Solut for

1-4 = X27

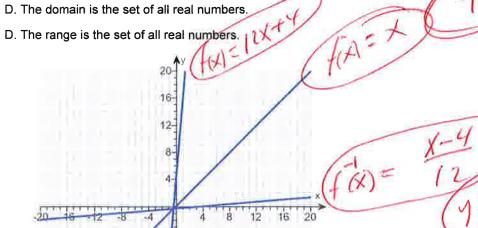
1-4 = 5

y = 12

Invise

Answers  $\frac{x-4}{12}$ 

- 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



Calculator

X-M19 = -12 X-M19 = -12 Y-M19 = -10 Y-M6x = 12

11=12×14

ID: 4.2.53

18. Solve the equation,

$$32^{-x+44} = 64^{x}$$

The solution set is

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

Answer: 20

ID: 4.3.73

-5X+220 =6X

-5X + 210 - 120 = 61 -5X = 6X - 220-5x -6x = 6x -220 -6x

-11x = -220

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19. Solve the equation.



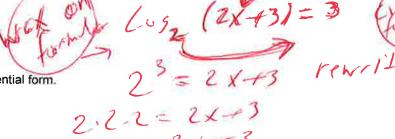
$$\log_2(2x+3) = 3$$

Change the given logarithmic equation to exponential form.

(Type an equation. Do not simplify.)

Answers  $2x + 3 = 2^3$ 

ID: 4.4.91-Setup & Solve



(Simplify your answer. Use a comma to separate answers as needed.)  $7. -3 = 2 \times 73 - 3$ 

20. Write the expression as a sum and/or difference of logarithms. Express powers as factors.



$$\log \left[ \frac{x(x+6)}{(x+5)^{13}} \right], x>0$$

$$\log \left[ \frac{x(x+6)}{(x+5)^{13}} \right] =$$
 (Simplify your answer.)

Answer:  $\log x + \log (x + 6) - 13 \log (x + 5)$ 

ID: 4.5.51

Lus 
$$(AB) = (us(A) - lus(B))$$
  
Lus  $(AB) = (us(A) + lus(B))$   
 $(ab) = (ab) = (ab) = (ab)$   
 $(ab) = (ab) = (ab) = (ab)$ 

lug (x (x+6)) - (us (x+5) = 13 lug (x (x+6)) - (us (x+5) = 13 lug (x) + (us (x+6)) - (ug (x+5) = 13 log(x) + log(x+6) - 13 lug (x+5) =

finalm1314COC025sulllljjRZZ26X-Alfredo Alvarez	https://xlitemprod.pearsoncmg.com/api/v1/print/math
21. Solve the logarithmic equation $\frac{2}{3}$	revilechen
21. Solve the logarithmic equation.	(8-3)=(
$\log x + \log (x-3) = 1$ $\log x + \log (x-3) = 1$	los(5)+los(5-3)=1 los(5)+los(2)=1
Determine the equation to be solved after removing the logarithm.	1 (1115) + (05 (2) = 1
V 10 = X - 3X	Good Good
(Type an equation. Do not simplify.) $0 = x^2 - 3x - y^2$	omplete vour choice.
Select the correct choice below and if necessary, fill in the answer box to co	omplete your choice.
• A. The solution set is {	$\lambda = 1$ (1) $\chi = 3$ (1)
(Simplify your answer. Type an exact answer. Use a comma to sepa	irate answers as
needed.)	(-5-5-0+5-0+5
X+(-1-0-)	
Answers $x(x - 3) = 10$	(15) Check
A. The solution set is $\{5\}$ , $209(-1)+0$	(os (-2-3)=1
(Simplify your answer. Type an exact answer. Use a comma to se	eparate answers as needed.)
R107+C	BAD
ID: 4.6.17-Setup & Solve	0/41)
22. Find the amount that results from the given investment.	P=500
\$500 invested at 6% compounded quarterly after a period of 2 years	1 r= 67=.06
	1450=0.11
After 2 years, the investment results in \$ (Round to the nearest cent as needed.)	1 - 4 - Quality
(Round to the nearest cent as needed.) $A = P(1+V) + 4(2) = 7$	t (t=2= Years))
Answer: 563.25 FSQQ (1+06)	500 (1+.06)10
A-18 (1 4) 8 A=50	63.24(24)
ID: 4.7.7 A = 5W ( + 000)	3.20 P
23. How many years will it take for an initial investment of \$20,000 to grow to \$5	50 0002 Assume a rate of interest of 7%
compounded continuously.	So, social distribution of the social
It will take about years for the investment to grow to \$50,00	10. (25)=074
(Round to two decimal places as needed.)	1 2 (2.5)
Answer: 13.09 A=PC	h (2.5) = 0076
# 50000 P 30	007
ID: 4.7.41	10120
50,000 = 20,000	( the ( Zis) = +
20000 20000	10 4008676-4
2 3:076	13.0874676-6
2.5- 6 0 1 00761 1	3.09 = 4) Round
h (205) = h (C)	
1. (2.5) = .07+ ln(e)/	
$\mathcal{M}(2^{\mathfrak{g}})$	-
ln(2.5) = .07+(1)/	
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Select the correct choice below and, if necessary, fill in any answer boxes within your choice.

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

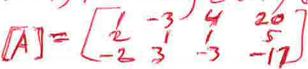
- $\bigcirc$  **A.** The solution of the system is x =(Type an integers or simplified fractions.)
- OB. There are infinitely many solutions. Using ordered pairs, the solution can be written as , y any real number}. (Simplify your answer. Type an expression using y as the variable as needed.)
- C. The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

Answer: A. The solution of the system is x =

- and y =

(Type an integers or simplified fractions.)

- ID: 6.1.33
- 25. 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 =integers or simplified fractions.)
- B. There are infinitely many solutions. Using ordered triplets, they can be expressed as , z any real number }. , y = (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 , y any real number, z any real number . (Simplify your answer. Type an expression using y and z as the variables as needed.)
- D. The system is inconsistent.

Answer: A.

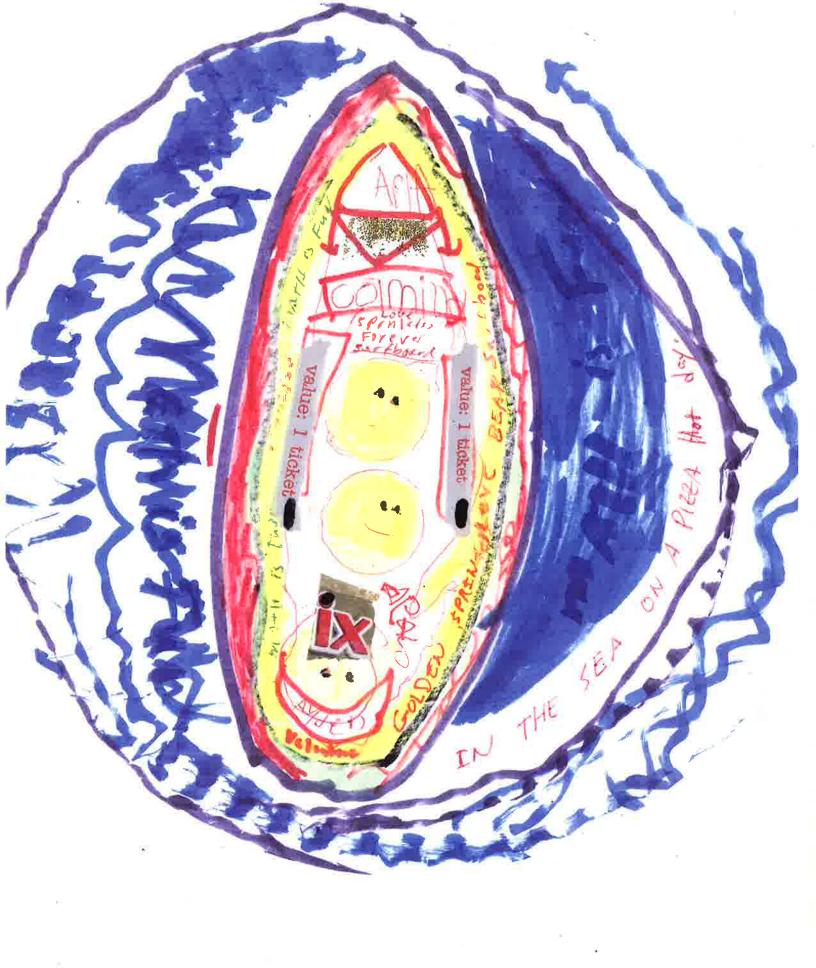
The solution is x = (Type integers or simplified

fractions.)

ID: 6.1.45

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SMART BIRD

3x4=4 2 3 = 6 3x4=12 / 4 = 12

图 图

4+4=10=2 12-12-6

12 12 mari

BROKEN SURFAMED BUTTONEL STOLE Control of

THE PARTY





