

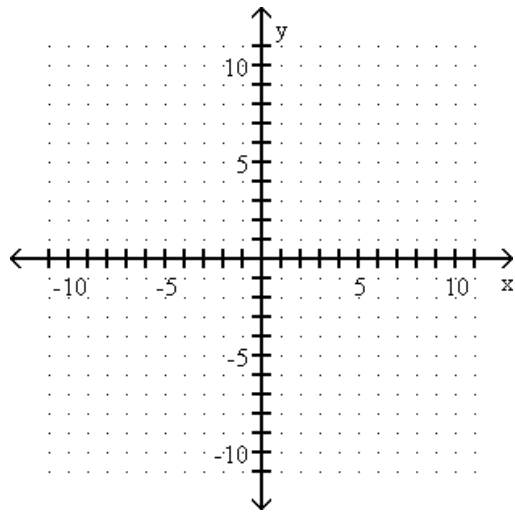
4.2.28 Graphing, Ordered Pairs, Mixed Graphing 3

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

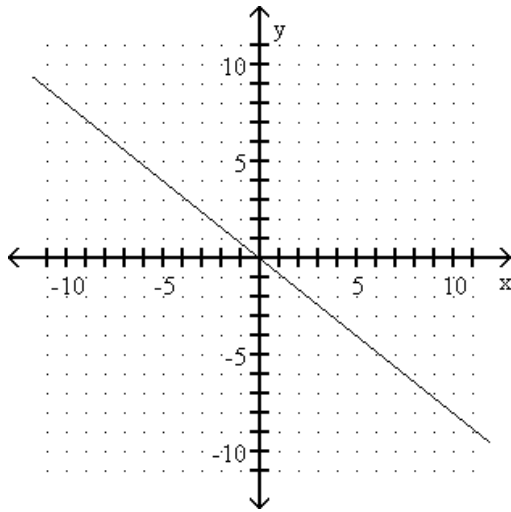
Graph the equation.

1)  $y = \frac{4}{5}x$

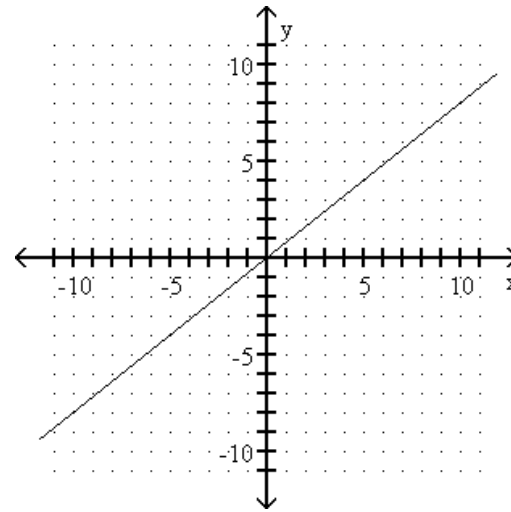
1) \_\_\_\_\_



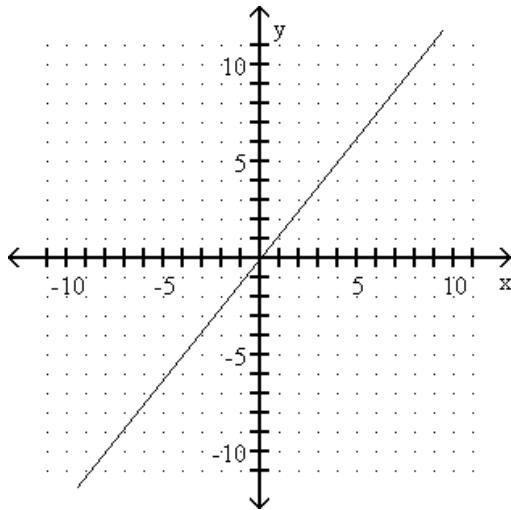
A)



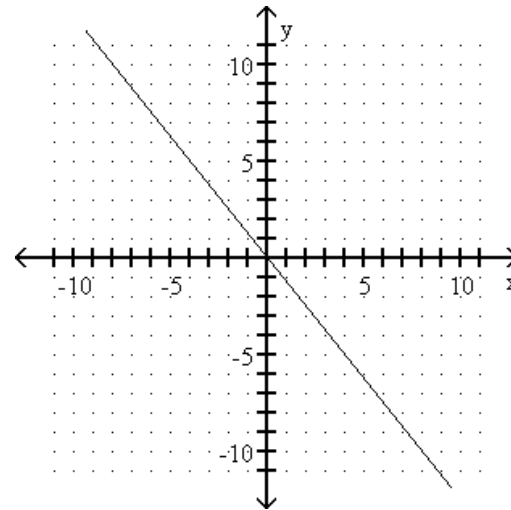
B)



C)

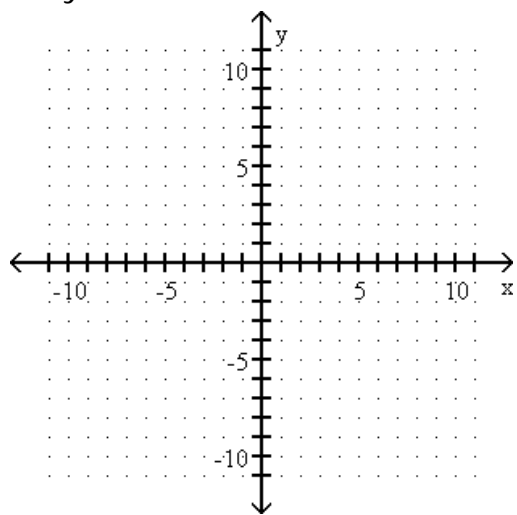


D)

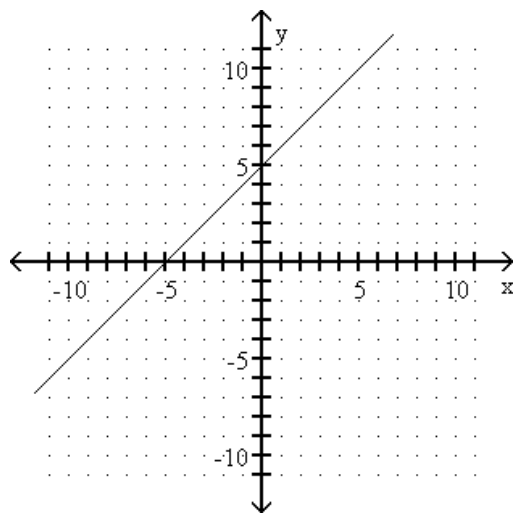


2)  $x + y = -5$

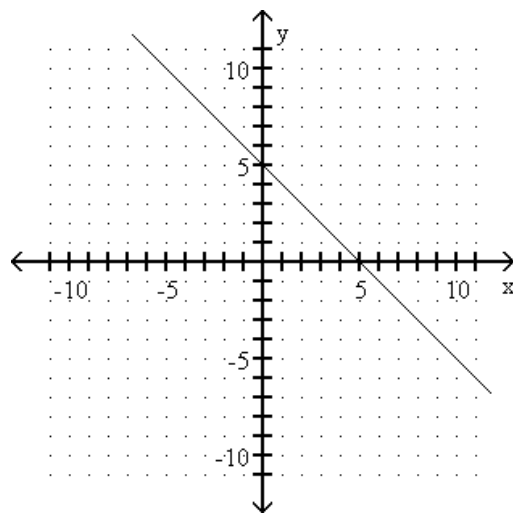
2) \_\_\_\_\_



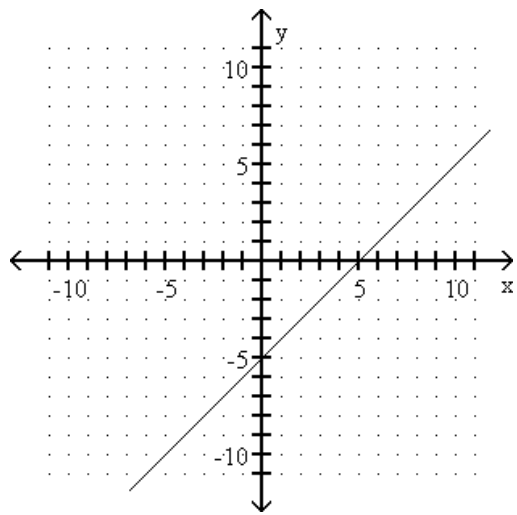
A)



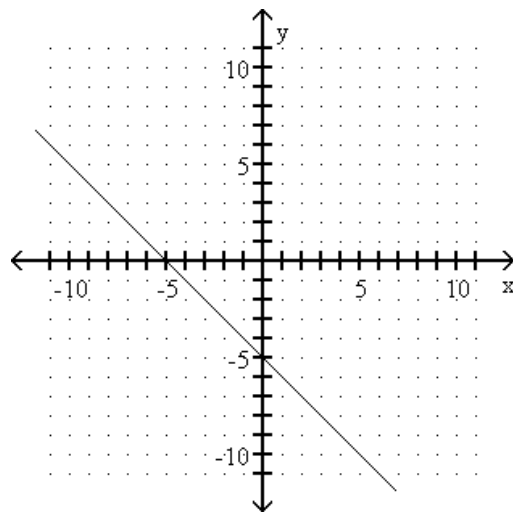
B)



C)

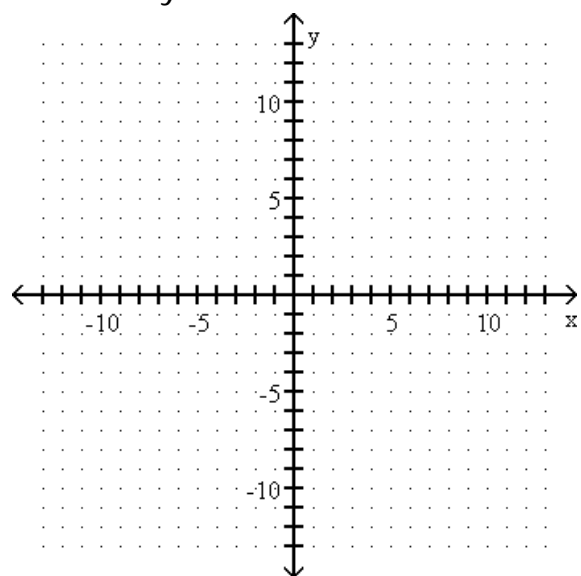


D)

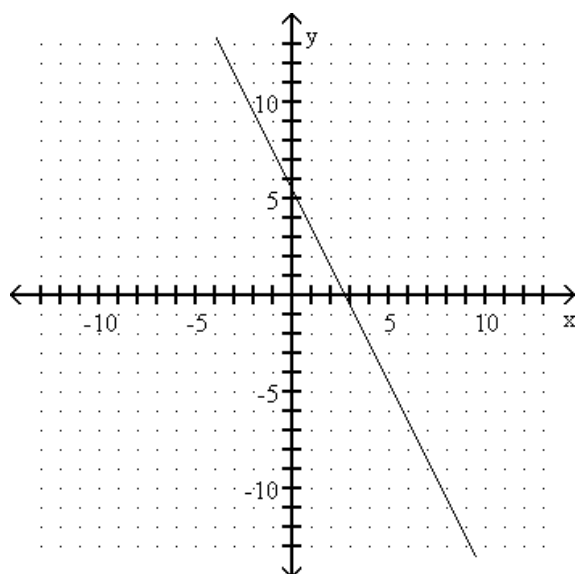


3)  $-2.2x + 1.1y = 6$

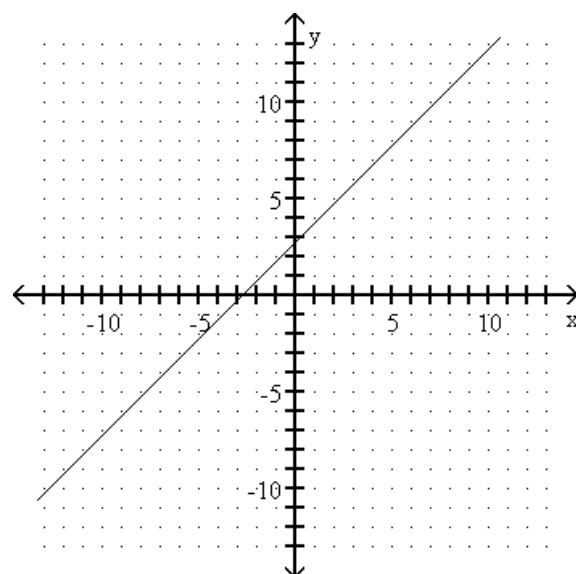
3) \_\_\_\_\_



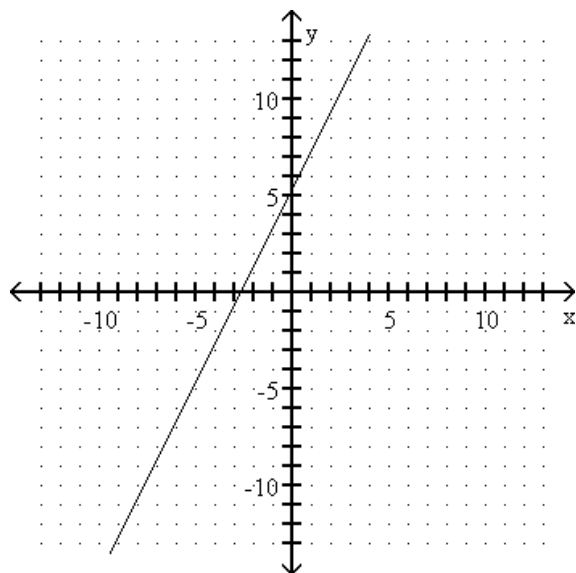
A)



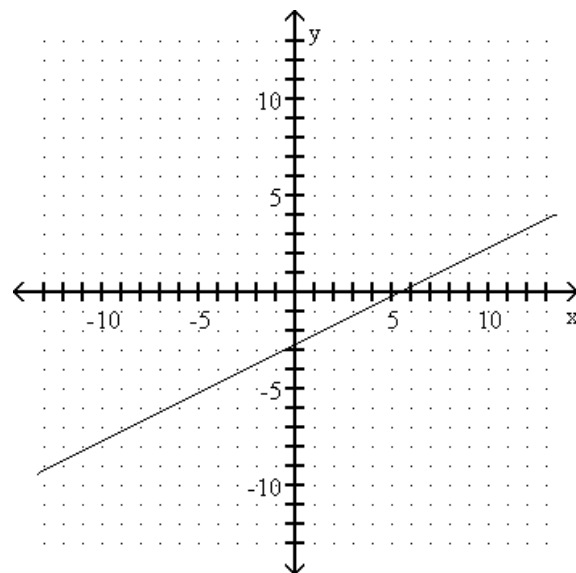
B)



C)

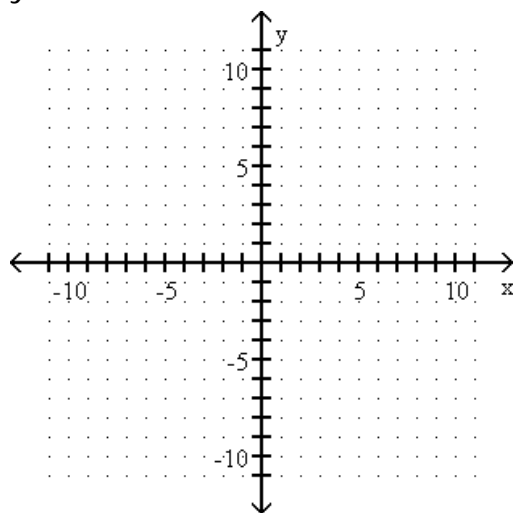


D)

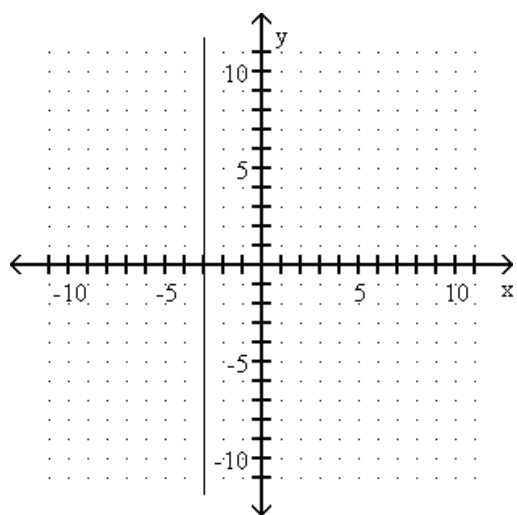


4)  $y = 3$

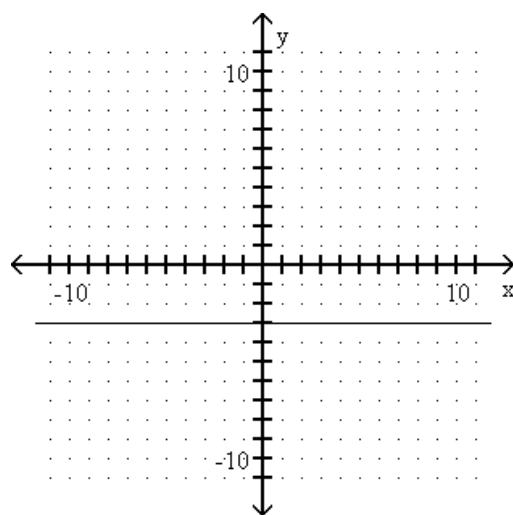
4) \_\_\_\_\_



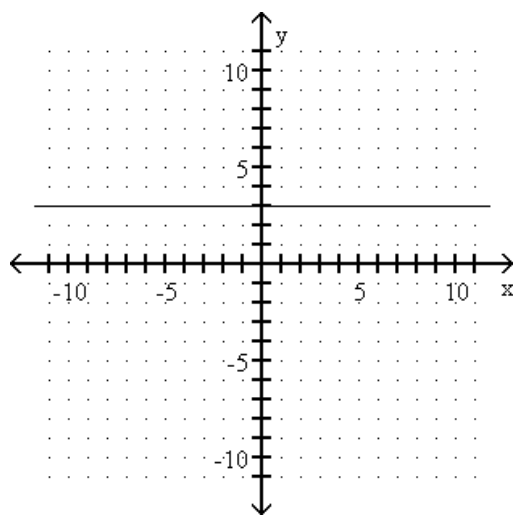
A)



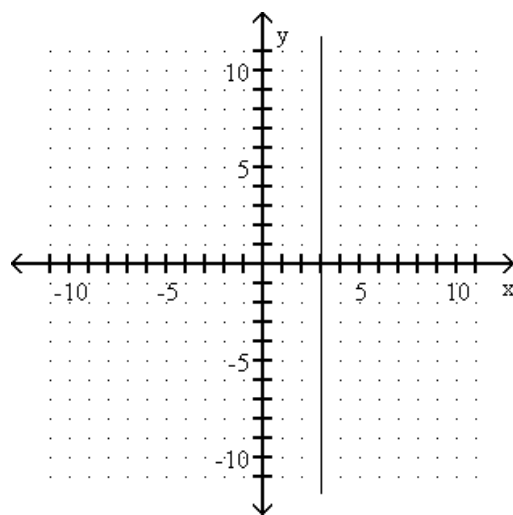
B)



C)

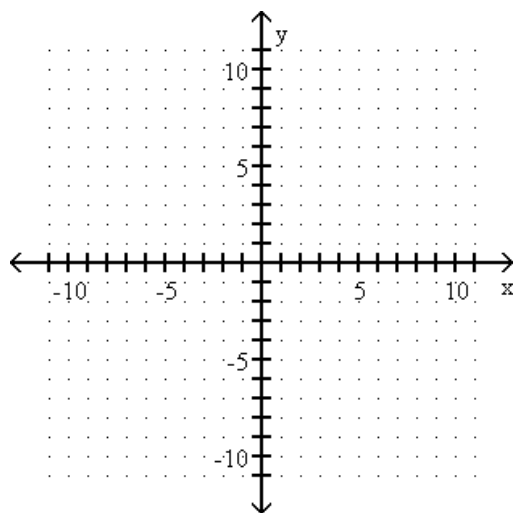


D)

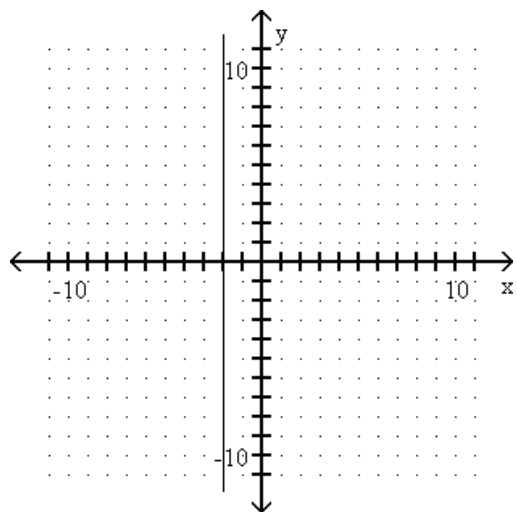


5)  $x = 2$

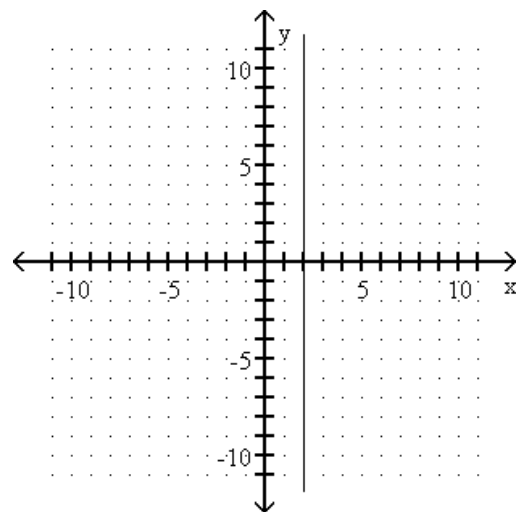
5) \_\_\_\_\_



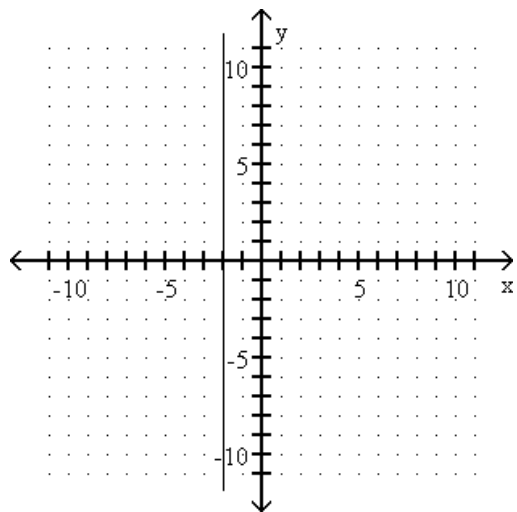
A)



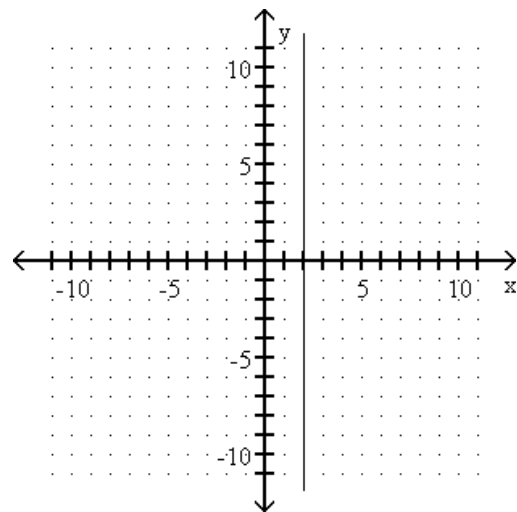
B)



C)

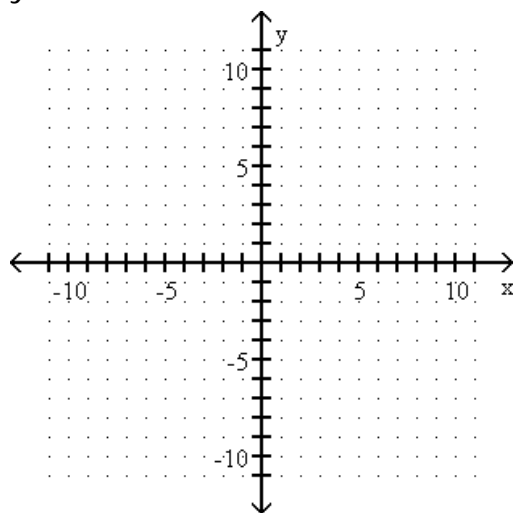


D)

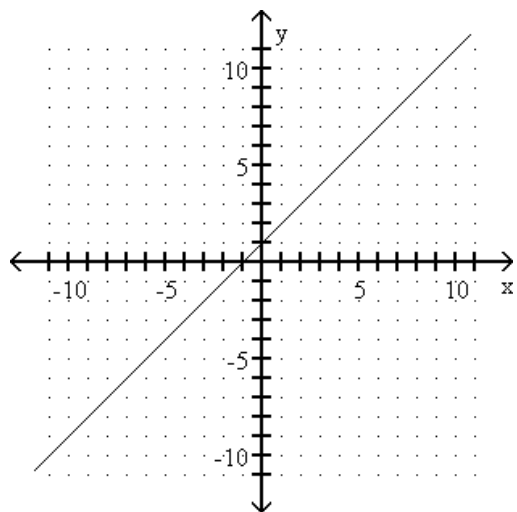


6)  $y = x + 1$

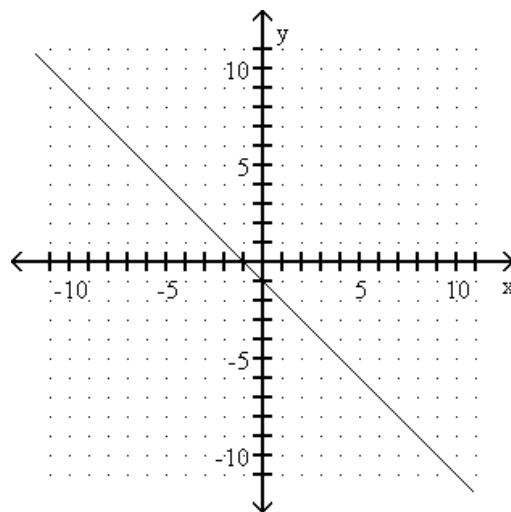
6) \_\_\_\_\_



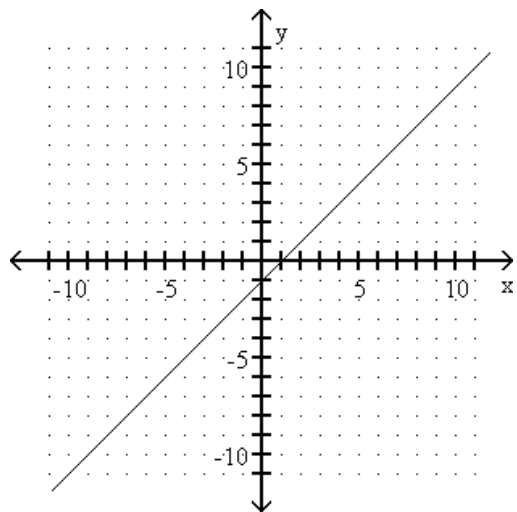
A)



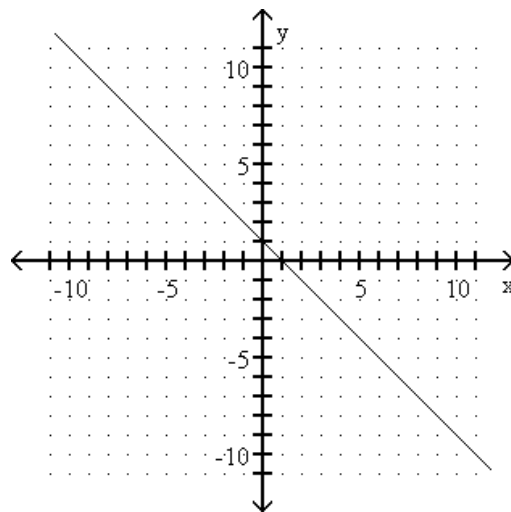
B)



C)

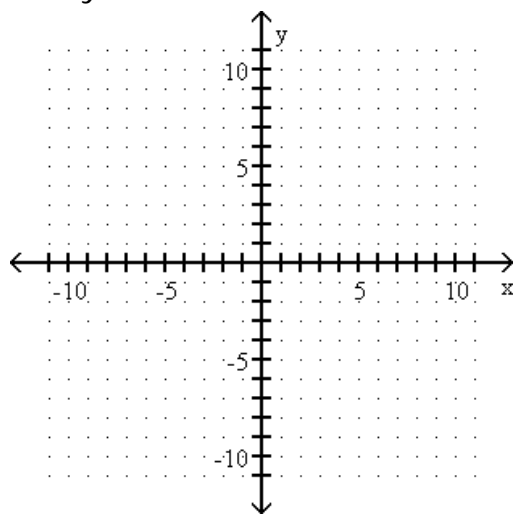


D)

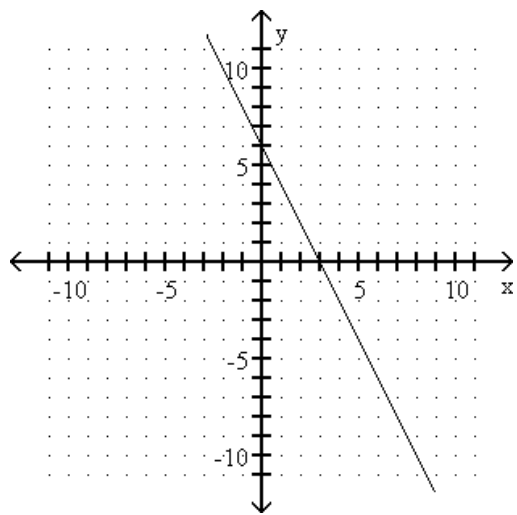


7)  $2x - y = -6$

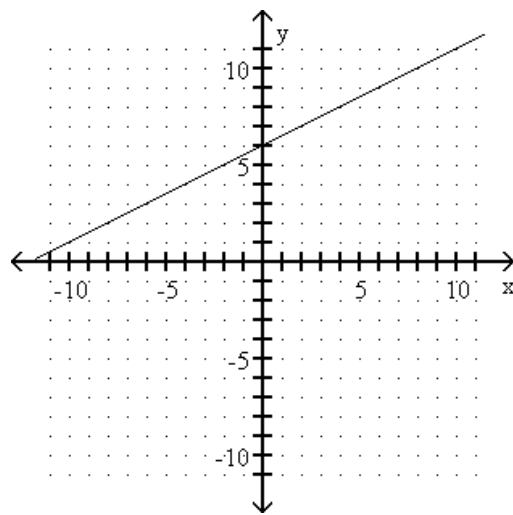
7) \_\_\_\_\_



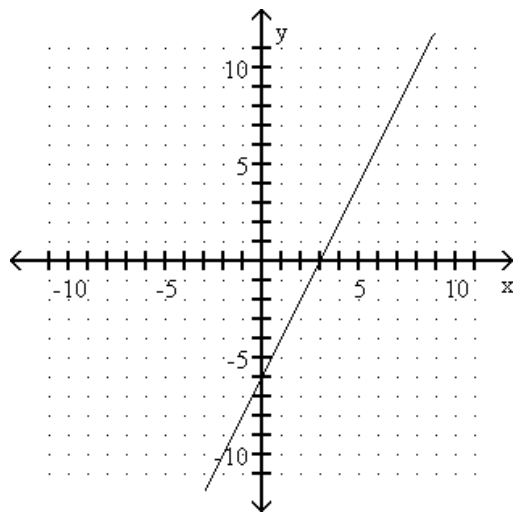
A)



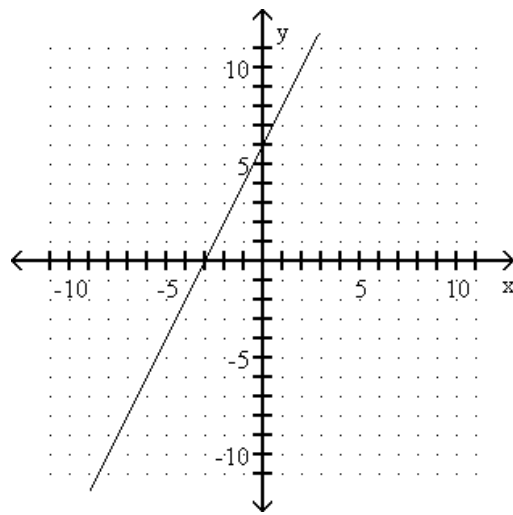
B)



C)

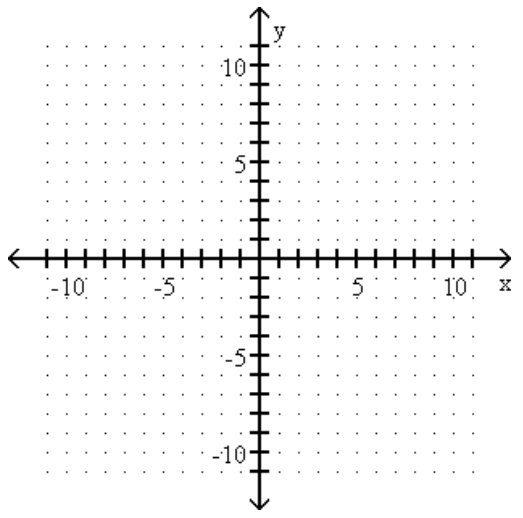


D)

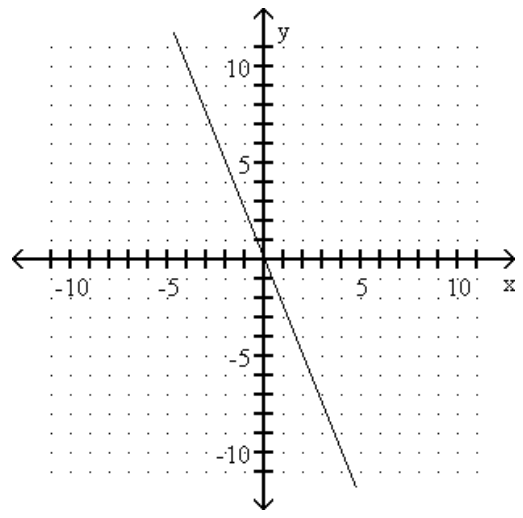


8)  $y = -\frac{2}{5}x$

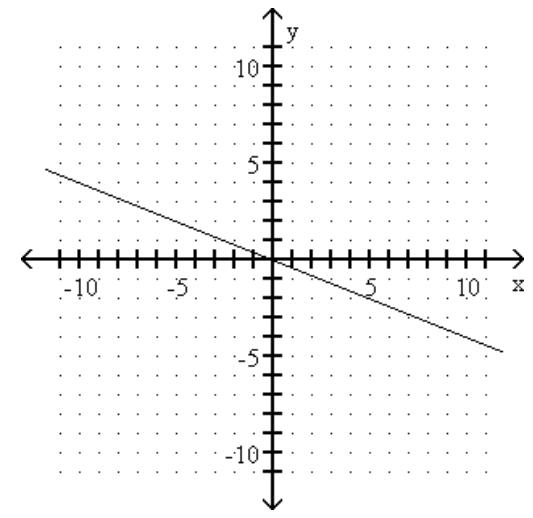
8) \_\_\_\_\_



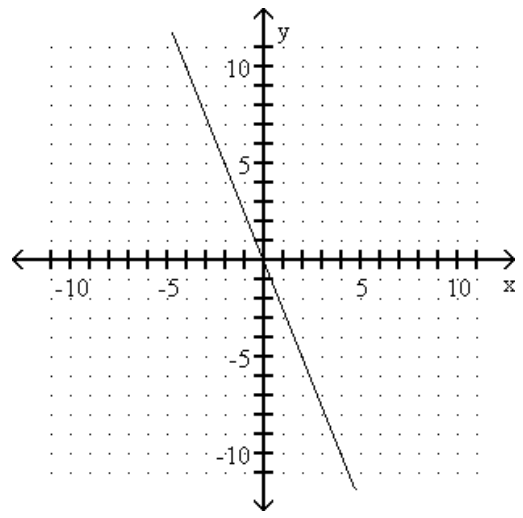
A)



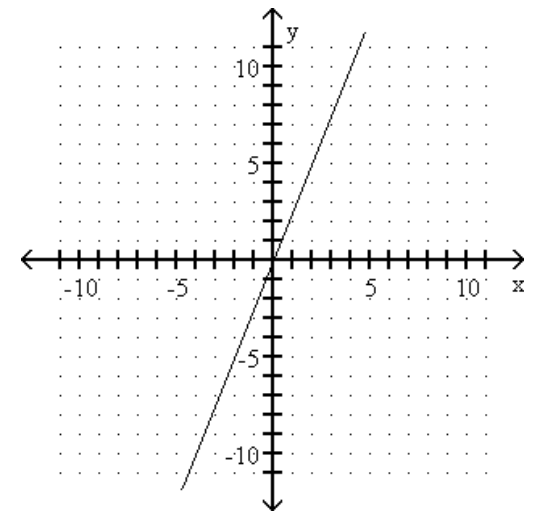
B)



C)



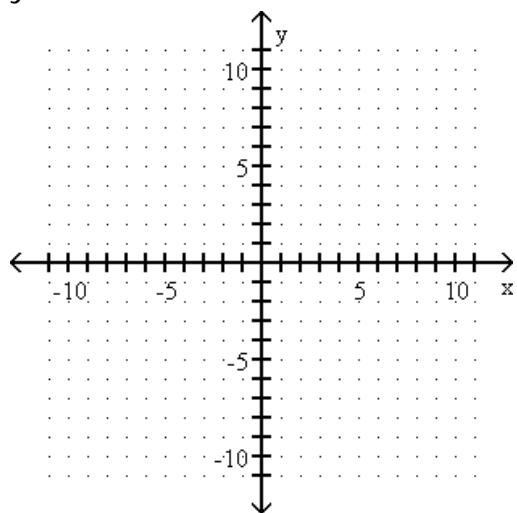
D)



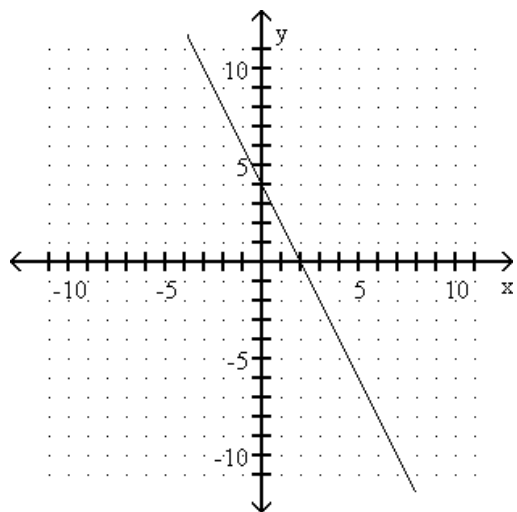


9)  $y = 2x + 4$

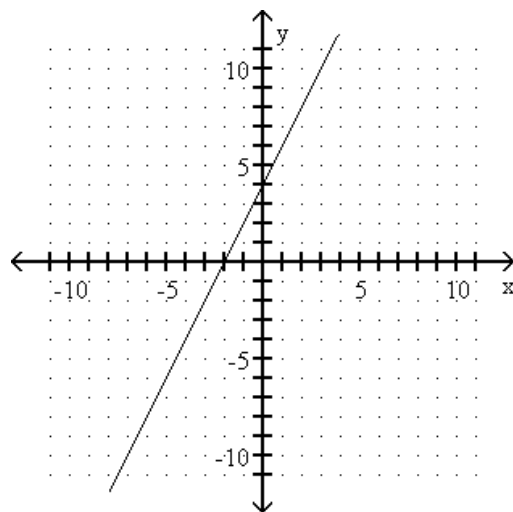
9) \_\_\_\_\_



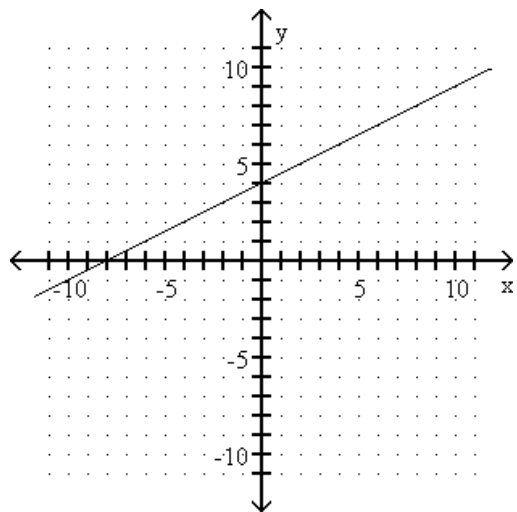
A)



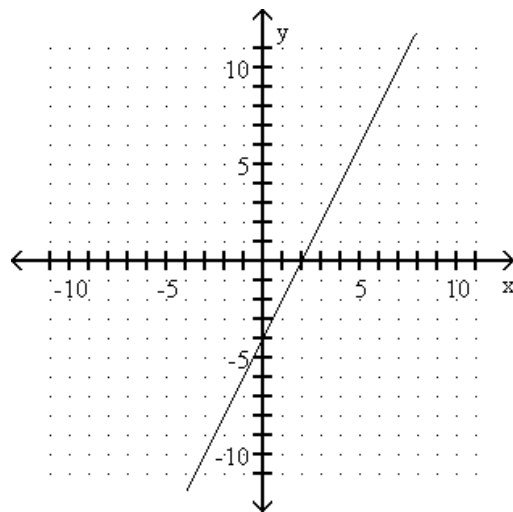
B)



C)



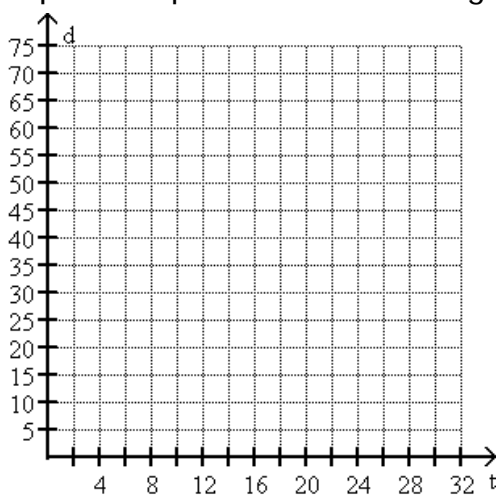
D)



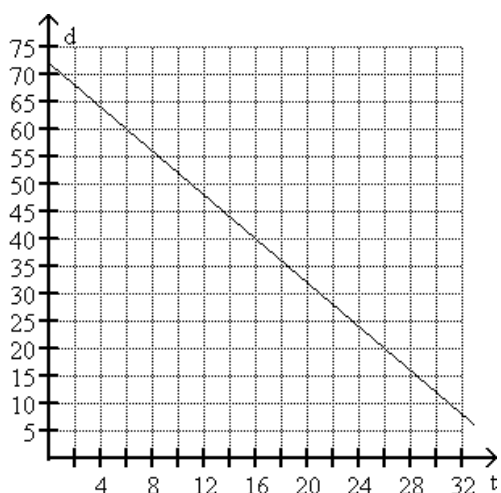
Solve.

10) During the month of January 1997, the depth,  $d$ , of snow in inches at the base of one ski resort could be approximated by  $d = -2t + 64$ , where  $t$  is the number of days since December 31st. Graph the equation and use the graph to estimate the depth of snow on January 28th.

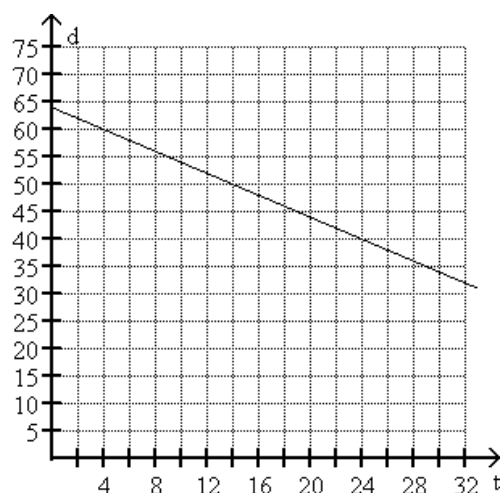
10) \_\_\_\_\_



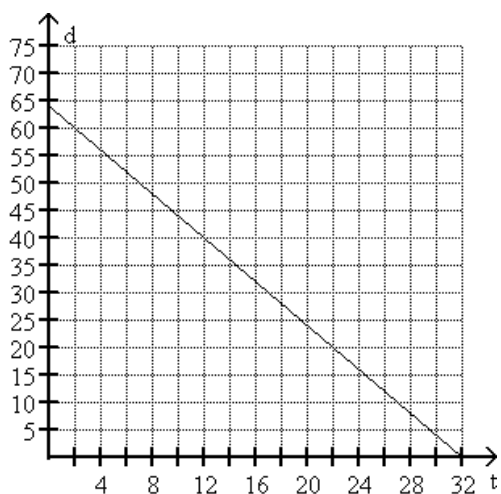
A) 16 inches



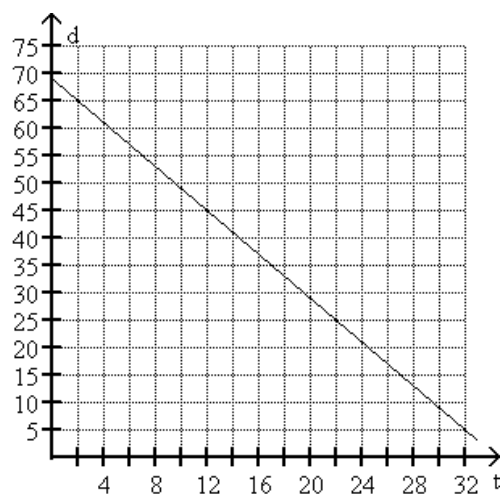
B) 36 inches



C) 8 inches



D) 13 inches



11) Alison sets aside \$60 each month to spend on books and CDs. If she spends  $c$  dollars on CDs in a given month, then she may spend  $b$  dollars on books, where  $c + b = 60$ . Find the amount Alison may spend on books in March if she spends \$29 on CDs.

11) \_\_\_\_\_

A) \$89

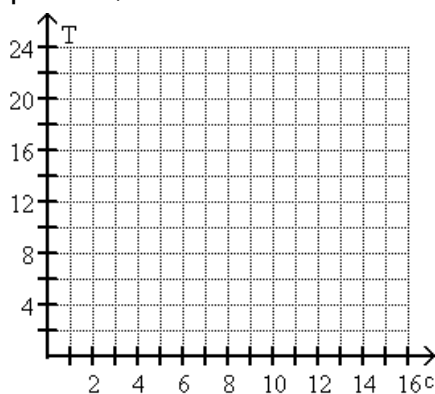
B) \$42

C) \$31

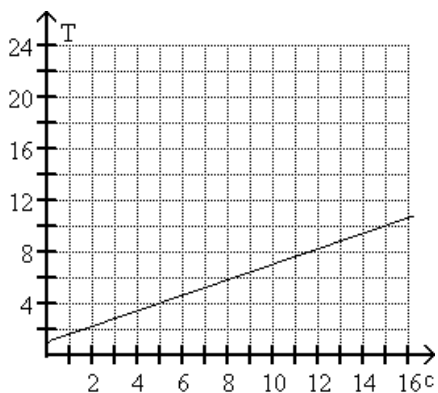
D) \$38

- 12) The cost,  $T$ , in hundreds of dollars, of tuition at one community college is given by  $T = 4 + 1.25c$ , where  $c$  is the number of credits for which a student registers. Graph the equation, and find the cost if a student registers for 14 credits.

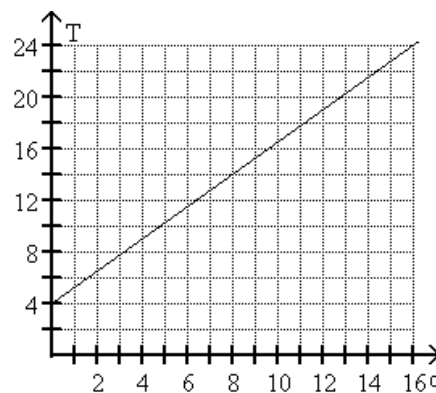
12) \_\_\_\_\_



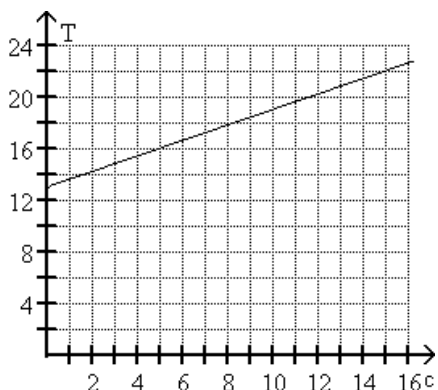
A) About \$940



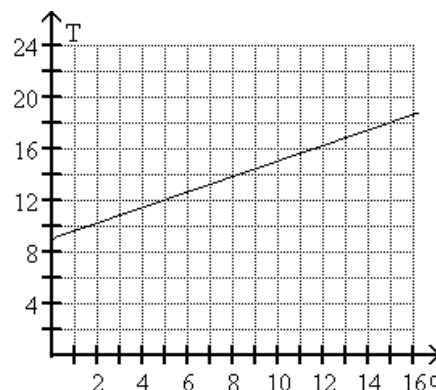
B) \$2150



C) About \$2140



D) About \$1740



- 13) The value,  $v$ , in hundreds of dollars, of Juan's computer is approximated by  $v = -0.50t + 8$  where  $t$  is the number of years since he first bought the computer. Find the value of the computer 8 years after it was purchased.

13) \_\_\_\_\_

A) \$1200

B) \$0

C) \$400

D) \$640

Determine whether the ordered pair is a solution for the equation.

14)  $\left(\frac{1}{2}, 5\frac{3}{4}\right); y = \frac{1}{2}x + \frac{7}{2}$

14) \_\_\_\_\_

A) No

B) Yes

15)  $(6, 5); x + y = 11$

15) \_\_\_\_\_

A) Yes

B) No

16)  $(3.8, 1.9); y = 2x - 5.7$

16) \_\_\_\_\_

A) Yes

B) No

17)  $(5, 2); 4x + 3y = 26$

A) No

B) Yes

17) \_\_\_\_\_

18)  $(2, 4); 2x - 3y = 16$

A) Yes

B) No

18) \_\_\_\_\_

Choose the answer that lists three solutions for the equation.

19)  $y = 3$

A)  $(3, 10), (3, -7), (3, -1)$

C)  $(10, 3), (-7, 3), (-1, 3)$

B)  $(10, 3), (3, -7), (-1, 3)$

D)  $(10, 3), (-7, 3), (-1, 0)$

19) \_\_\_\_\_

20)  $y = -2x$

A)  $(4, -8), (5, -10), (6, -12)$

C)  $(4, 0), (5, 10), (6, -10)$

B)  $(4, 0), (4, -10), (4, -12)$

D)  $(4, -2), (5, -2), (6, -2)$

20) \_\_\_\_\_

21)  $y = -7x + 2$

A)  $(2, -12), (3, -12), (4, -12)$

C)  $(0, 2), (3, -19), (4, -26)$

B)  $(2, -16), (3, -23), (4, -30)$

D)  $(0, 2), (2, -28), (4, -42)$

21) \_\_\_\_\_

22)  $y = 5x + 4$

A)  $(4, 24), (5, 24), (6, 24)$

C)  $(4, 16), (5, 21), (6, 26)$

B)  $(4, 24), (5, 29), (6, 34)$

D)  $(4, 16), (5, 11), (6, 6)$

22) \_\_\_\_\_

23)  $5x + y = 9$

A)  $(0, 9), (7, -26), (8, -31)$

C)  $(0, 9), (7, 44), (8, 49)$

B)  $(6, -21), (7, -21), (8, -21)$

D)  $(6, -39), (7, -44), (8, -49)$

23) \_\_\_\_\_

Answer Key

Testname: 4.2.28 GRAPHING-ORDERED PAIR-MIXED GRAPHING 3

- 1) B
- 2) D
- 3) C
- 4) C
- 5) B
- 6) A
- 7) D
- 8) B
- 9) B
- 10) C
- 11) C
- 12) B
- 13) C
- 14) A
- 15) A
- 16) A
- 17) B
- 18) B
- 19) C
- 20) A
- 21) C
- 22) B
- 23) A