

4.2.28 Graphing, Ordered Pairs, Mixed Graphing 2

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

Choose the answer that lists three solutions for the equation.

1) $y = -3x + 9$

A) (0, 9), (5, -6), (6, -9)

C) (4, -3), (5, -3), (6, -3)

B) (0, 9), (4, -39), (6, -45)

D) (4, -21), (5, -24), (6, -27)

1) _____

2) $y = 4x + 9$

A) (1, 13), (2, 13), (3, 13)

C) (1, 13), (2, 17), (3, 21)

B) (1, -5), (2, -1), (3, 3)

D) (1, -5), (2, -9), (3, -13)

2) _____

3) $y = 4$

A) (1, 4), (4, -9), (3, 4)

C) (4, 1), (4, -9), (4, 3)

B) (1, 4), (-9, 4), (3, 0)

D) (1, 4), (-9, 4), (3, 4)

3) _____

4) $y = -8x$

A) (3, -8), (4, -8), (5, -8)

C) (3, -24), (4, -32), (5, -40)

B) (3, 0), (3, -32), (3, -40)

D) (3, 0), (4, 32), (5, -32)

4) _____

5) $2x + y = 15$

A) (5, 5), (6, 5), (7, 5)

C) (0, 15), (6, 3), (7, 1)

B) (5, -25), (6, -27), (7, -29)

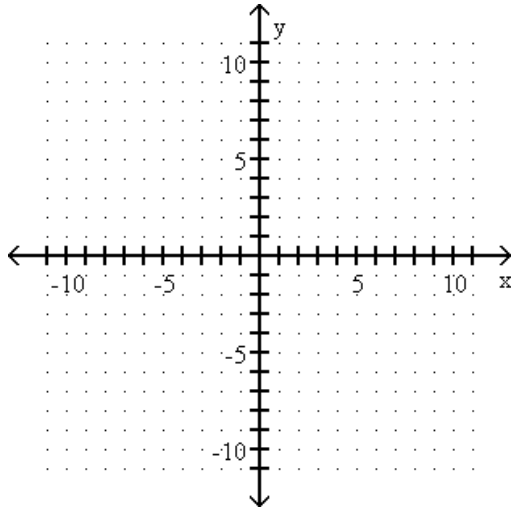
D) (0, 15), (6, 27), (7, 29)

5) _____

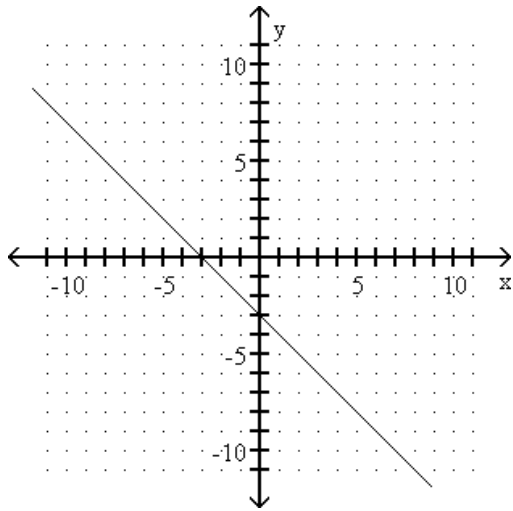
Graph the equation.

6) $x + y = 3$

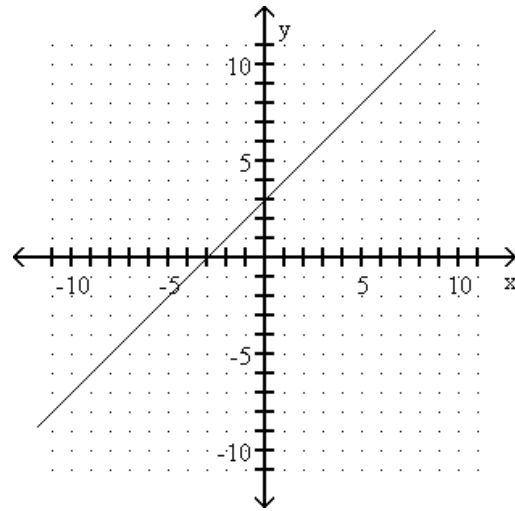
6) _____



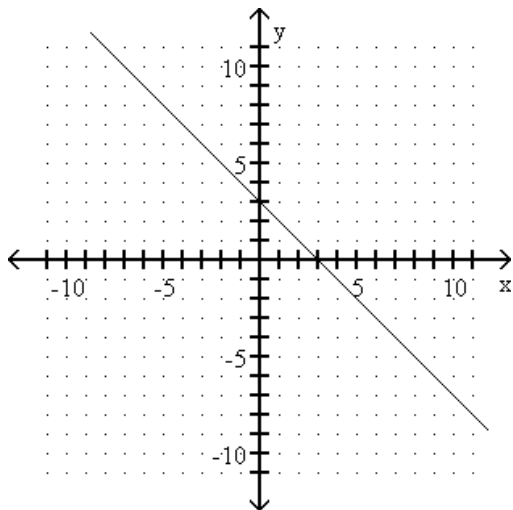
A)



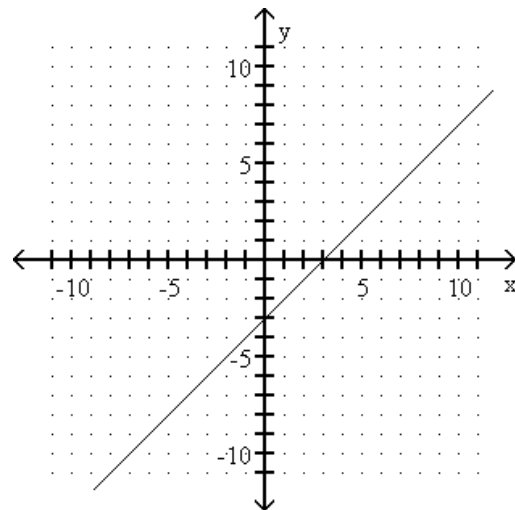
B)



C)

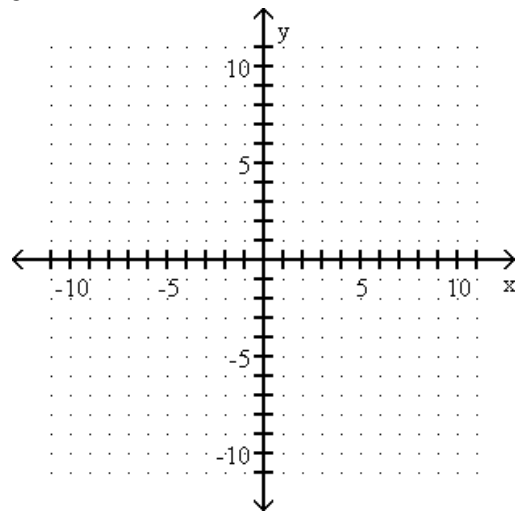


D)

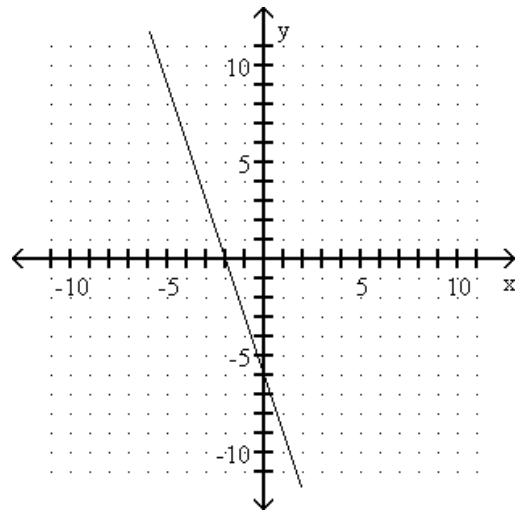


7) $y = 3x - 6$

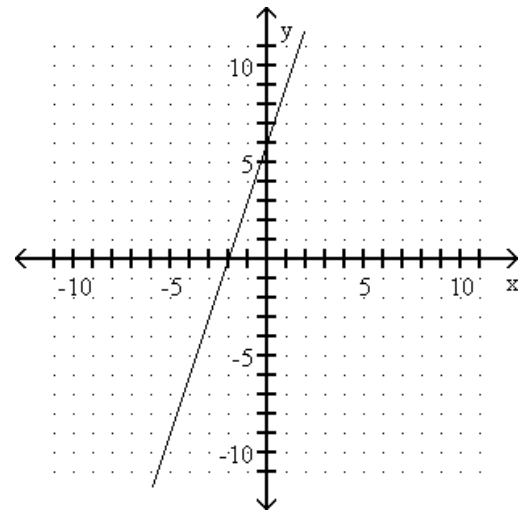
7) _____



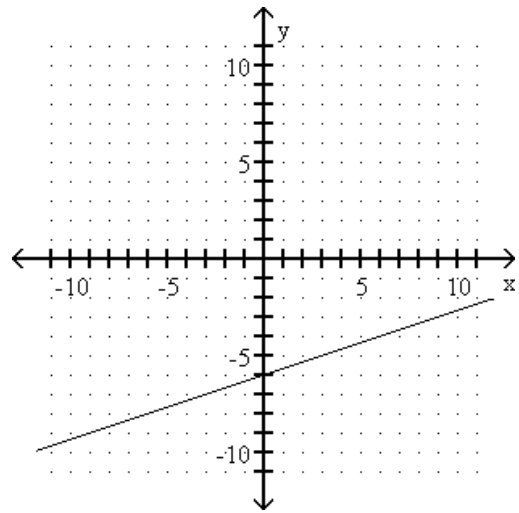
A)



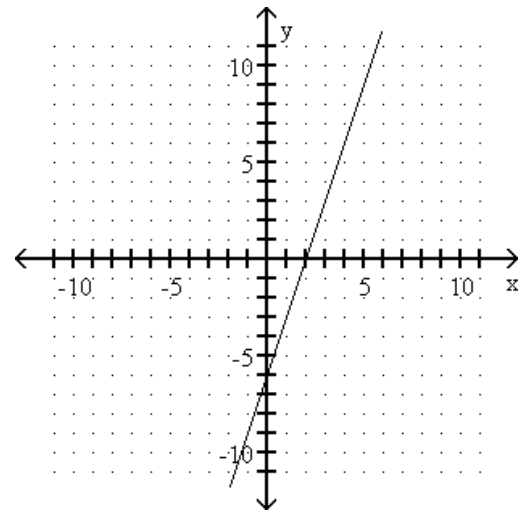
B)



C)

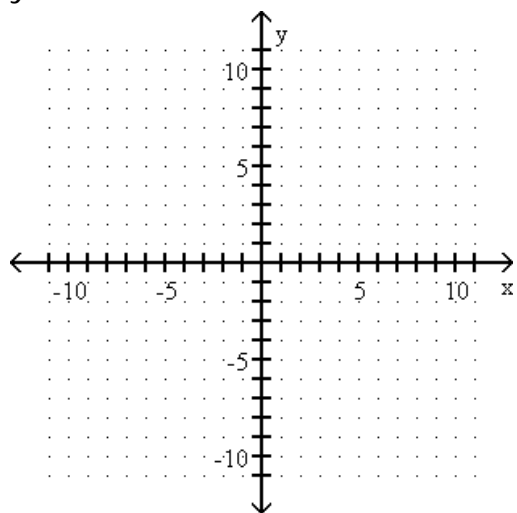


D)

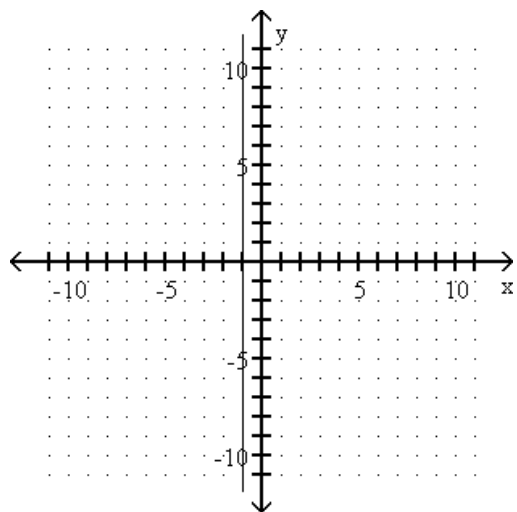


8) $y = 1$

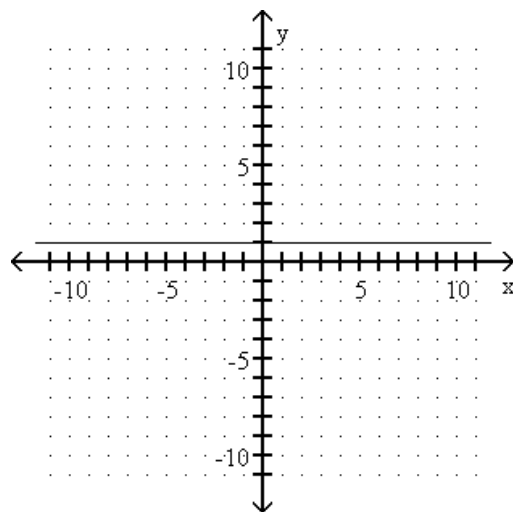
8) _____



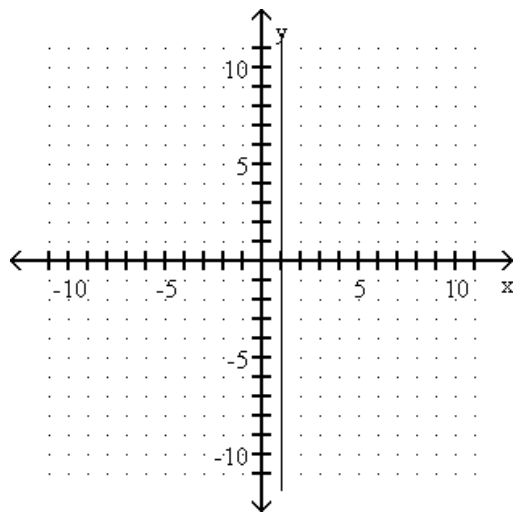
A)



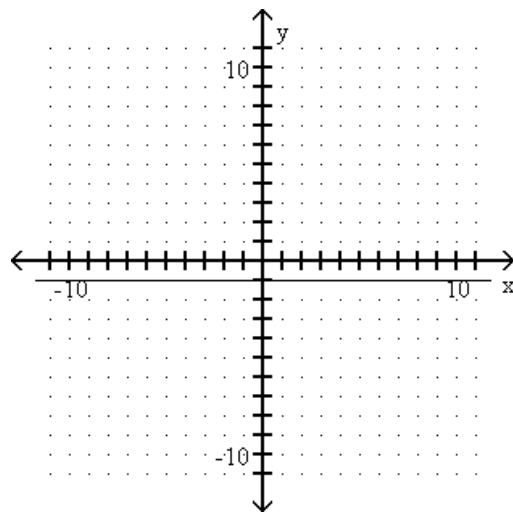
B)



C)

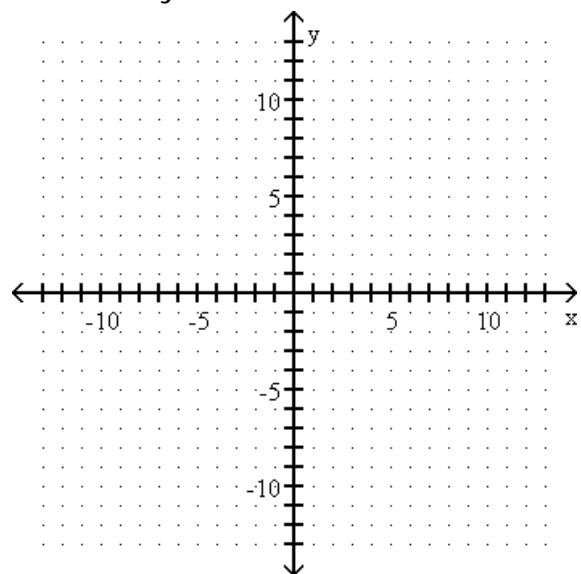


D)

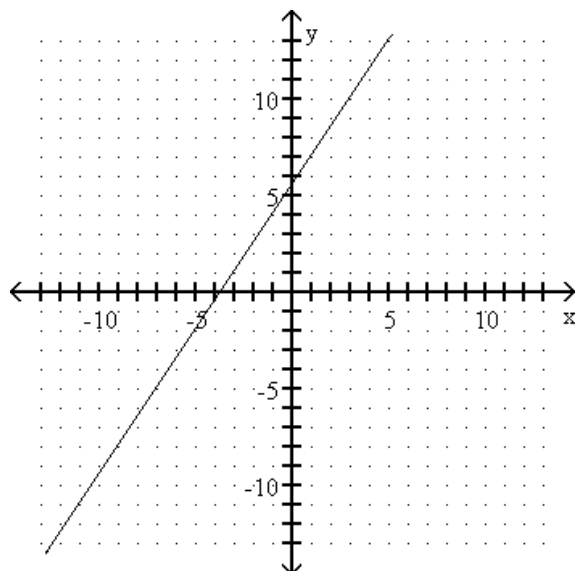


9) $-2.1x + 1.4y = 8$

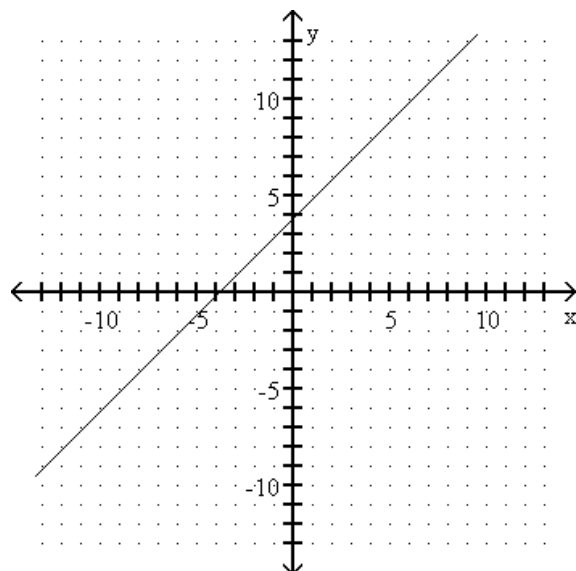
9) _____



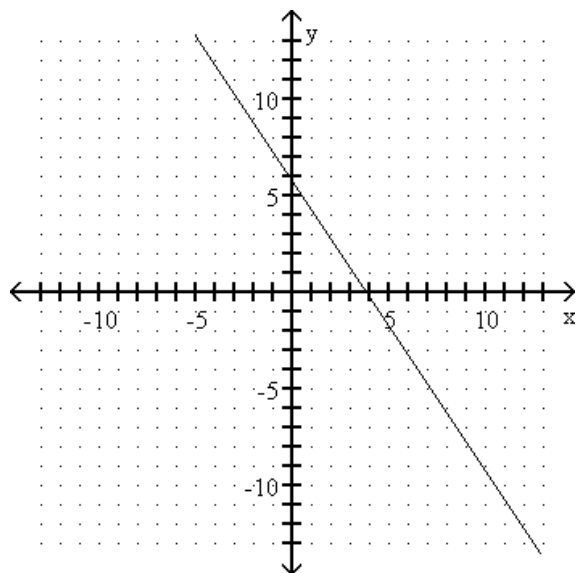
A)



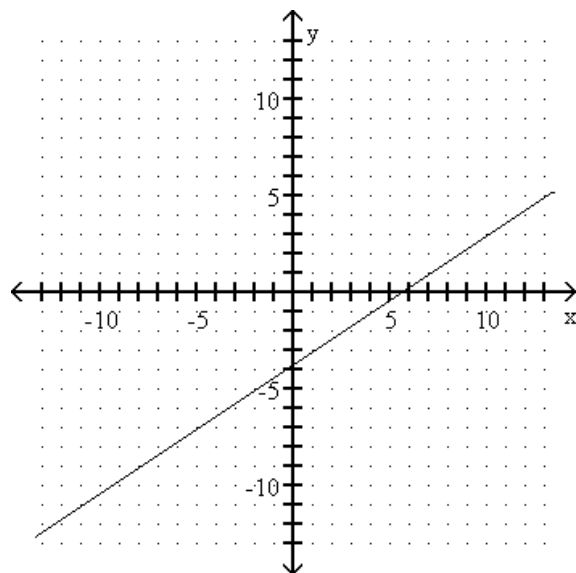
B)



C)

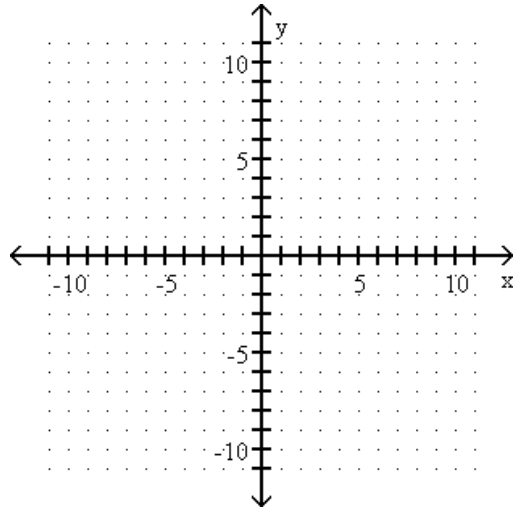


D)

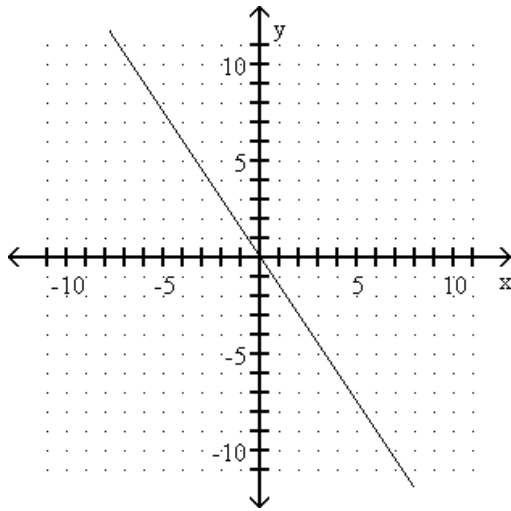


10) $y = -\frac{2}{3}x$

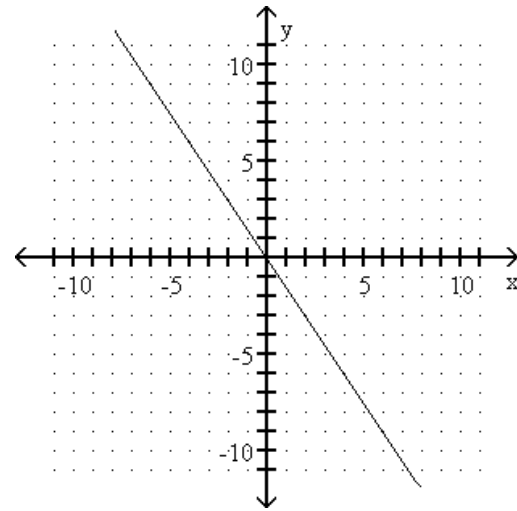
10) _____



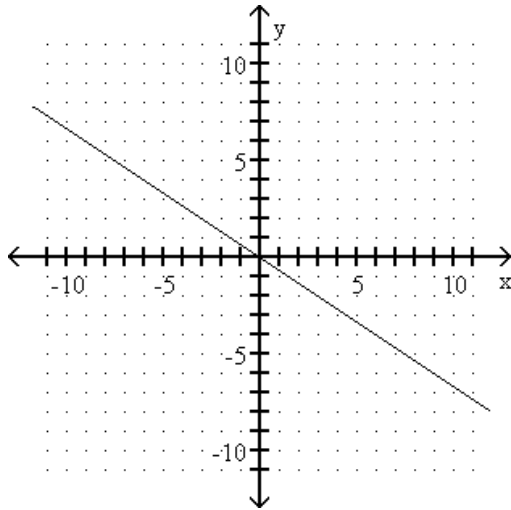
A)



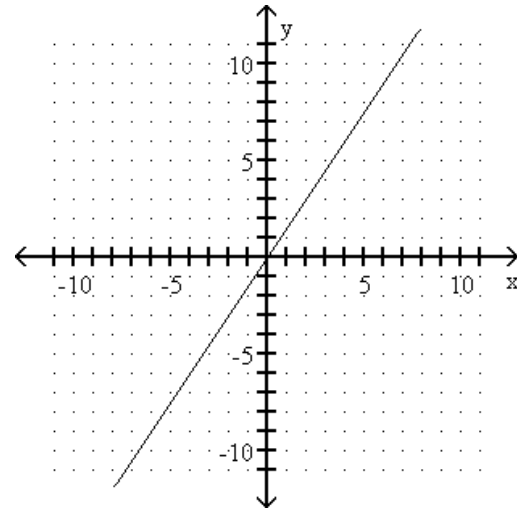
B)



C)

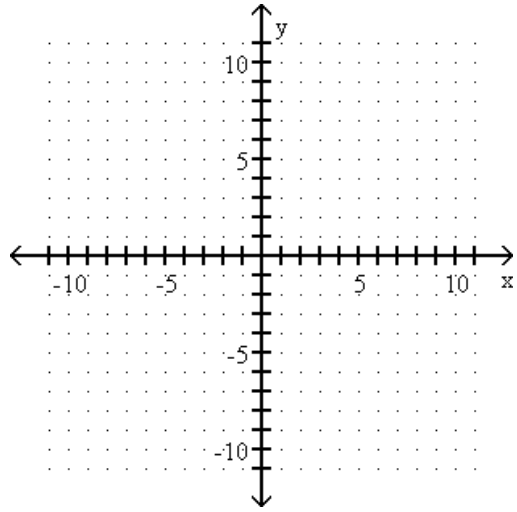


D)

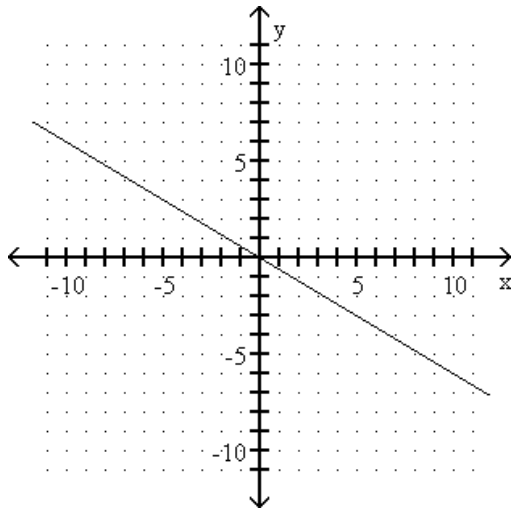


11) $y = \frac{3}{5}x$

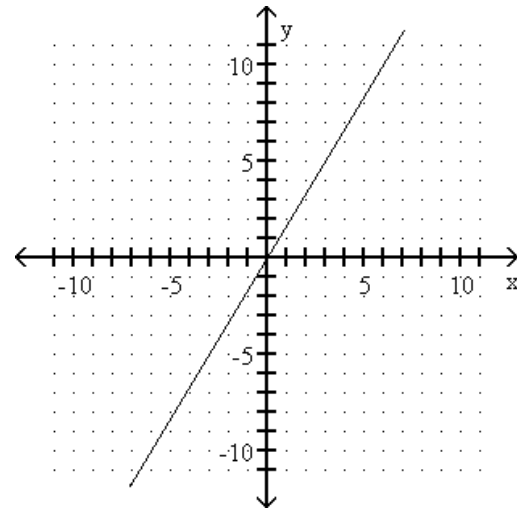
11) _____



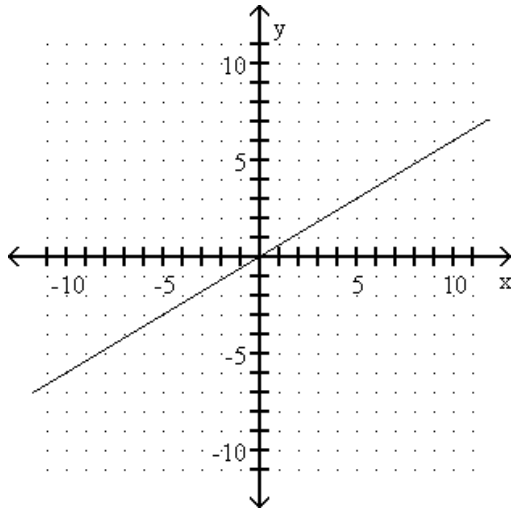
A)



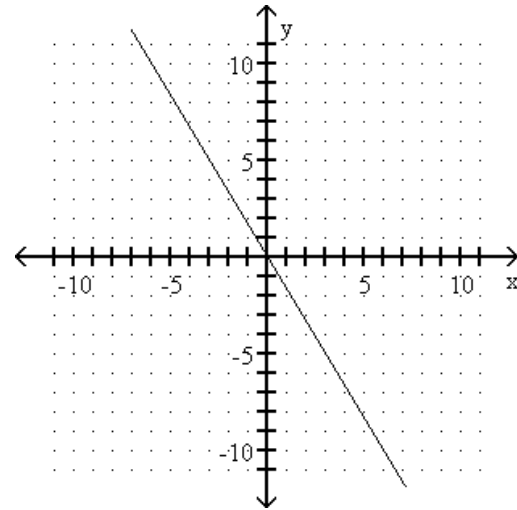
B)



C)

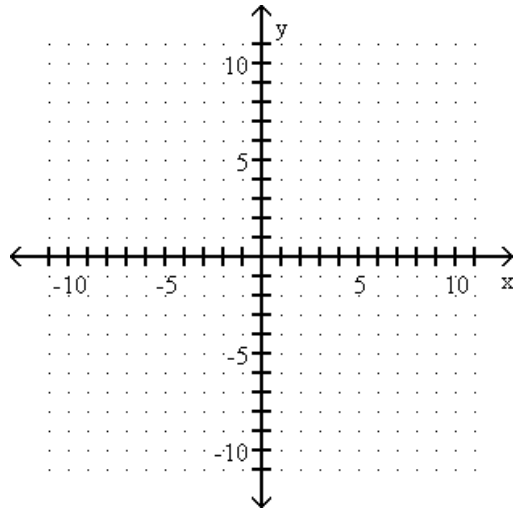


D)

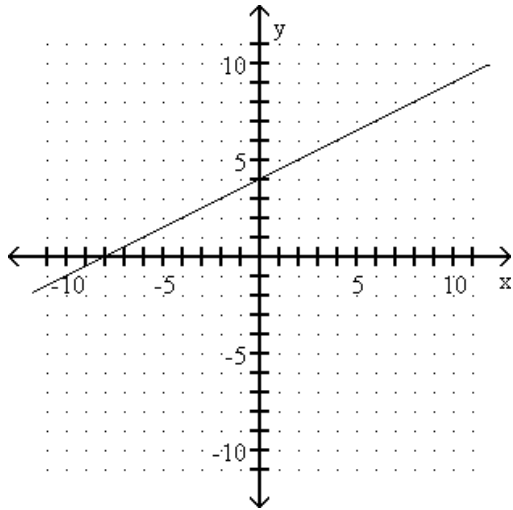


12) $2x - y = -4$

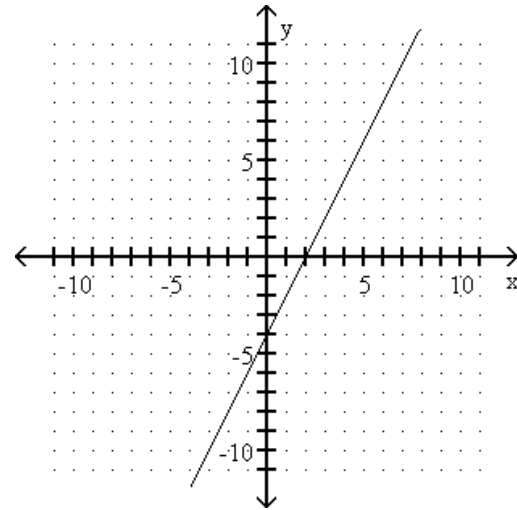
12) _____



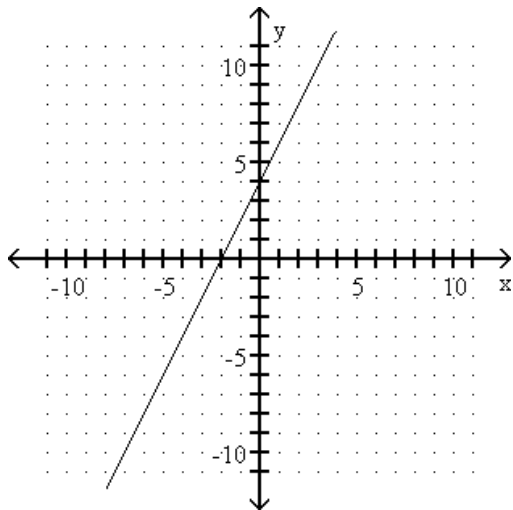
A)



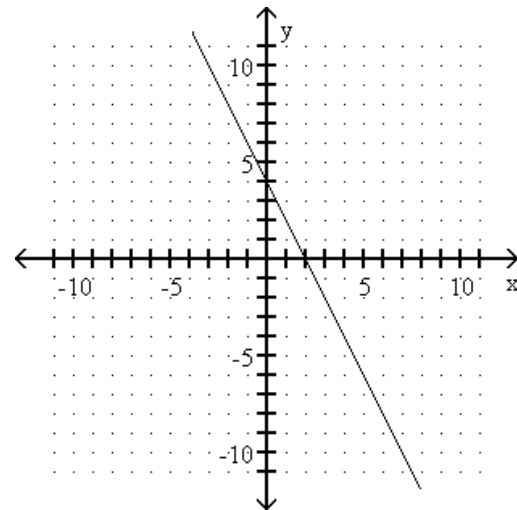
B)



C)

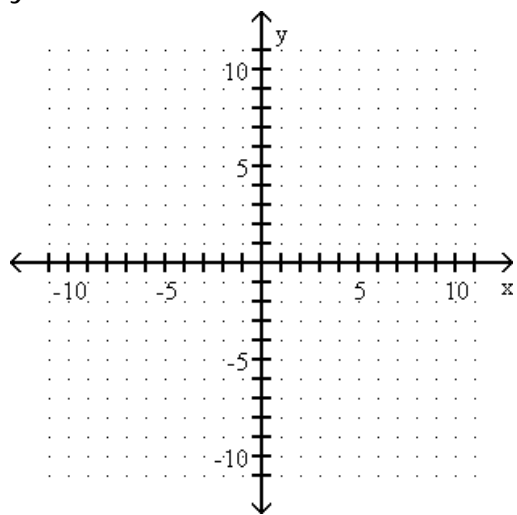


D)

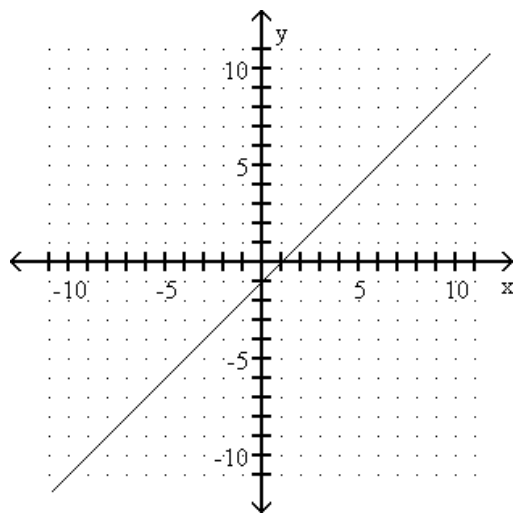


13) $y = x - 1$

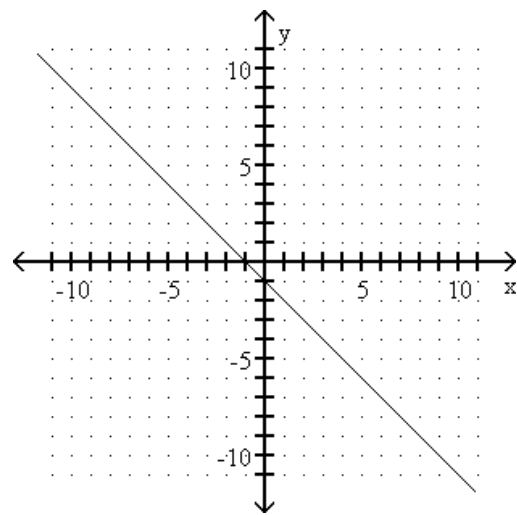
13) _____



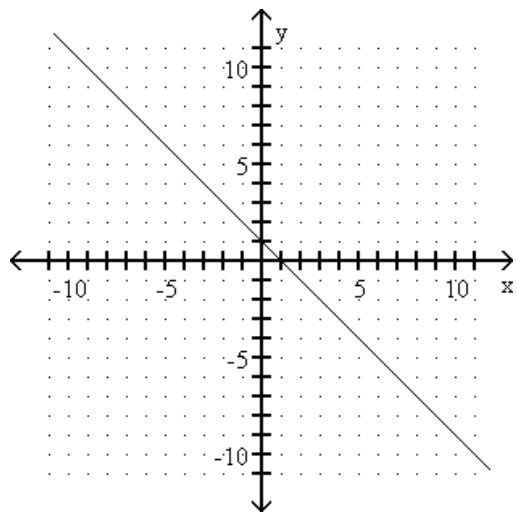
A)



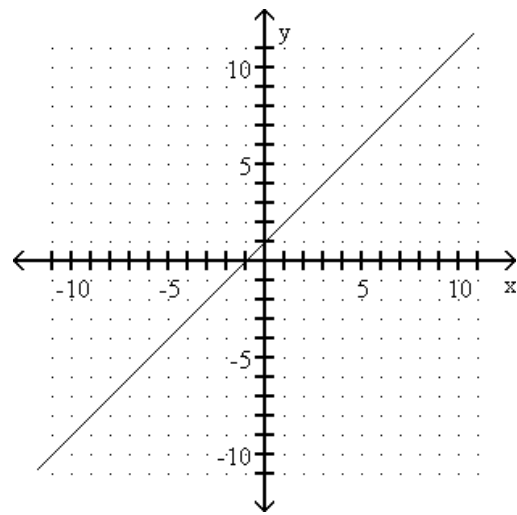
B)



C)

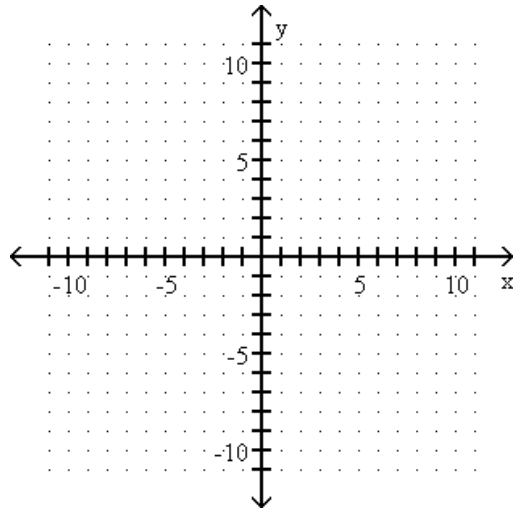


D)

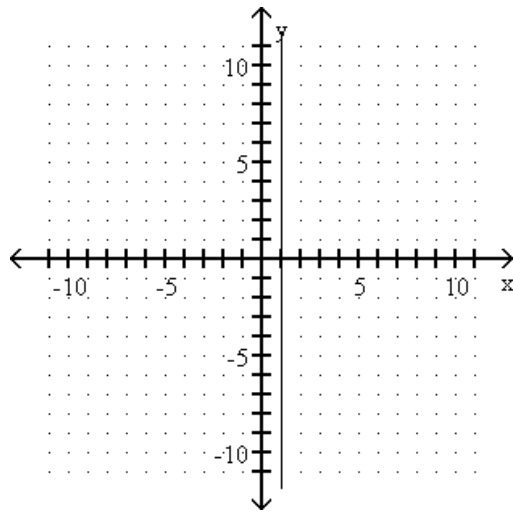


14) $x = -1$

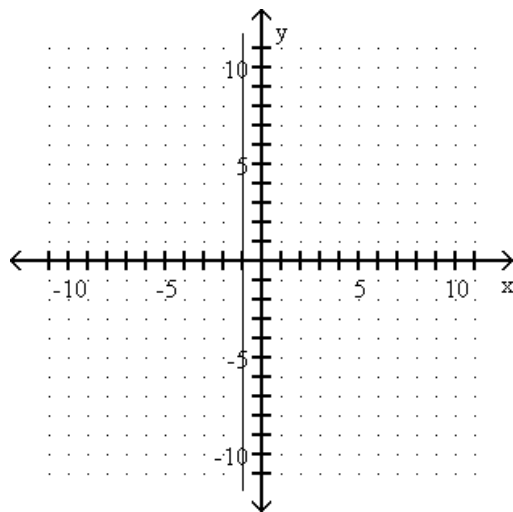
14) _____



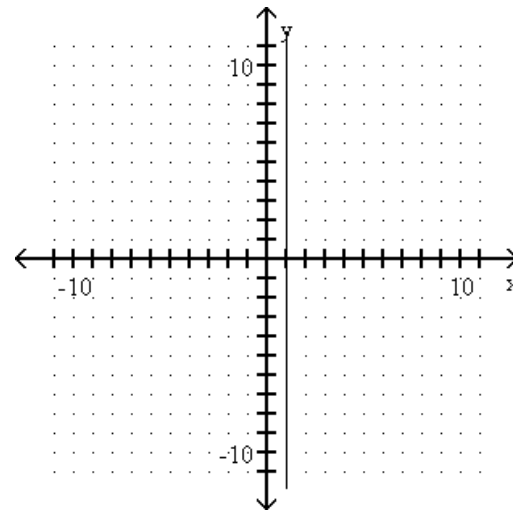
A)



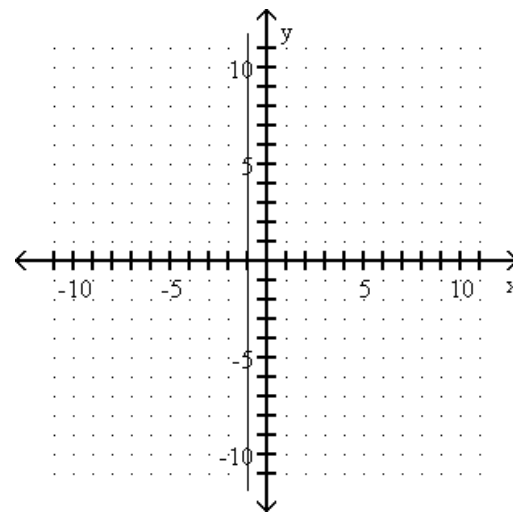
C)



B)



D)



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

15) $(3, 5); 4x + 3y = 27$

15) _____

A) No

B) Yes

16) $(3.3, 1.1); y = 4x - 12.1$

16) _____

A) No

B) Yes

17) $\left(\frac{3}{4}, 6\frac{5}{8}\right); y = \frac{1}{2}x + \frac{27}{8}$

17) _____

A) No

B) Yes

18) $(5, 3); 2x - 2y = 16$

A) No

B) Yes

18) _____

19) $(7, 3); x + y = 10$

A) No

B) Yes

19) _____

Solve.

20) The value, v , in hundreds of dollars, of Juan's computer is approximated by $v = -0.50t + 9$ where t is the number of years since he first bought the computer. Find the value of the computer 6 years after it was purchased.

A) \$300

B) \$1200

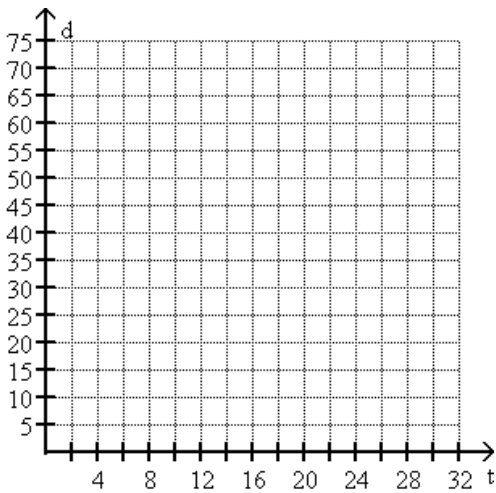
C) \$600

D) \$780

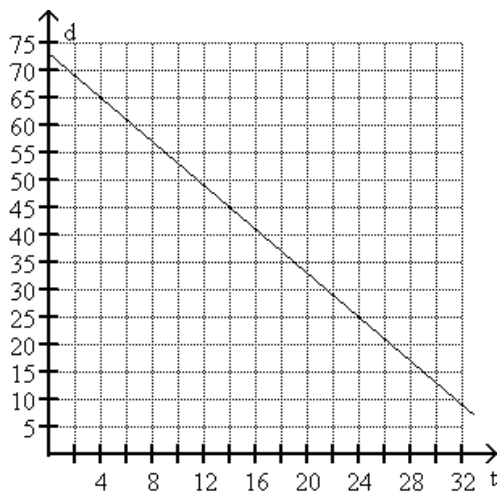
20) _____

21) During the month of January 1997, the depth, d , of snow in inches at the base of one ski resort could be approximated by $d = -2t + 68$, 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 26th.

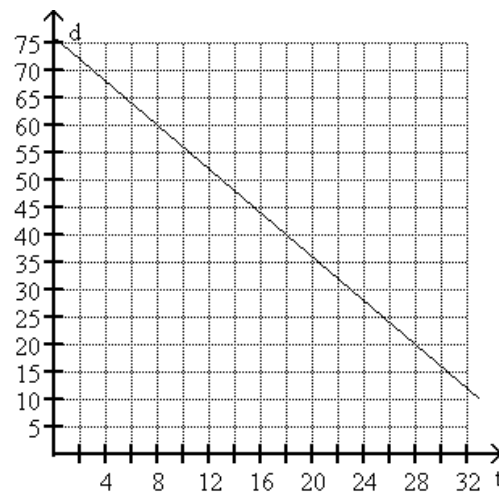
21) _____



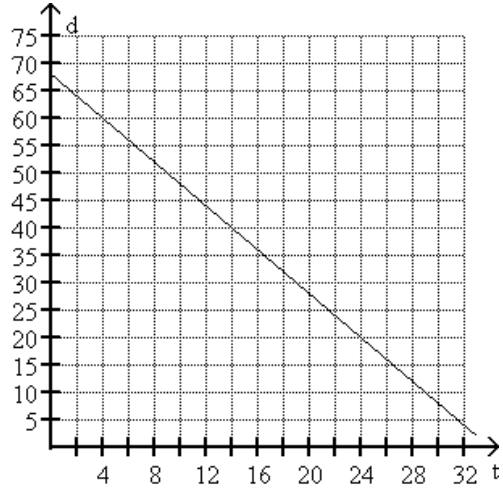
A) 21 inches



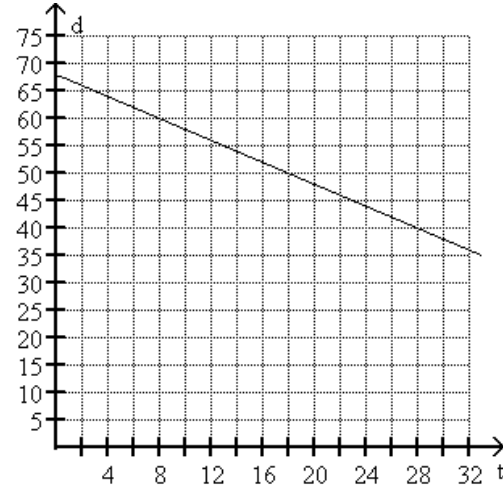
B) 24 inches



C) 16 inches



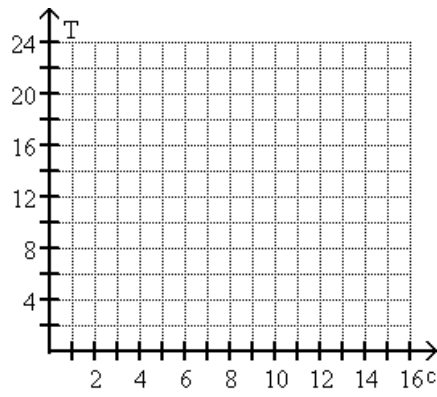
D) 42 inches



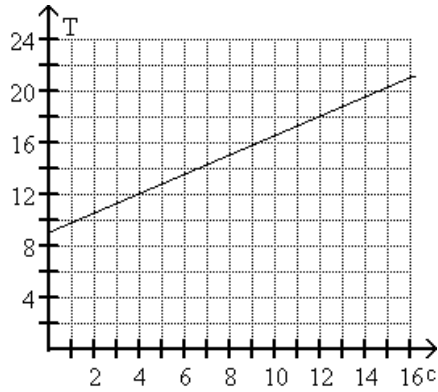
- 22) Alison sets aside \$60 each month to spend on books and CDs. If she spends c dollars on CDs in a given month, then she may spend b dollars on books, where $c + b = 60$. Find the amount Alison may spend on books in March if she spends \$32 on CDs. 22) _____
- A) \$35 B) \$92 C) \$28 D) \$39

23) 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 13 credits.

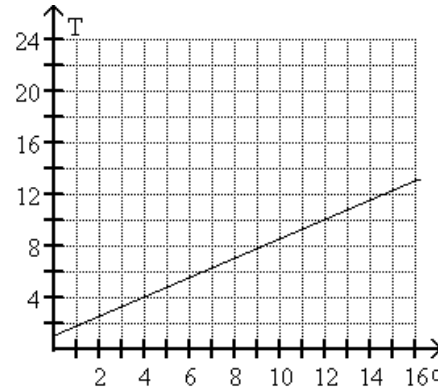
23) _____



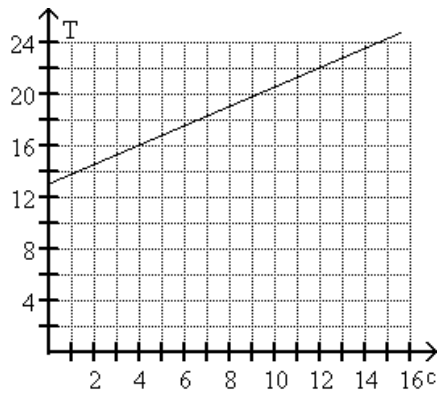
A) About \$1875



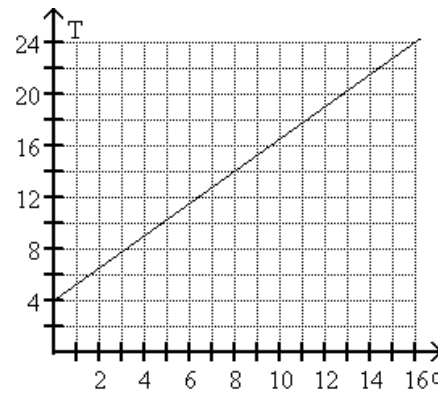
B) About \$1075



C) About \$2275



D) \$2025



Answer Key

Testname: 4.2.28 GRAPHING-ORDERED PAIR-MIXED GRAPHING 2

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