

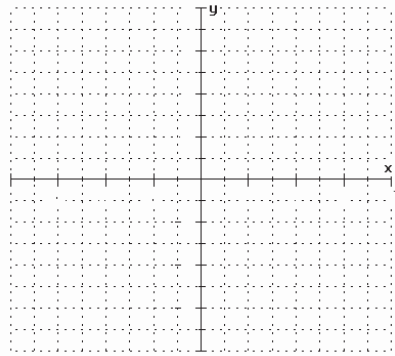
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Date:
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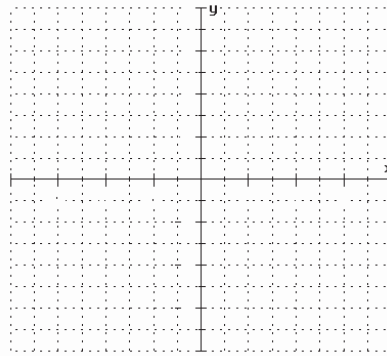
Chapter 3 Test Form A

Graph the following.

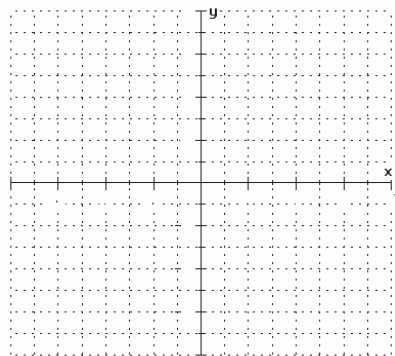
1. $x = 3y - 6$



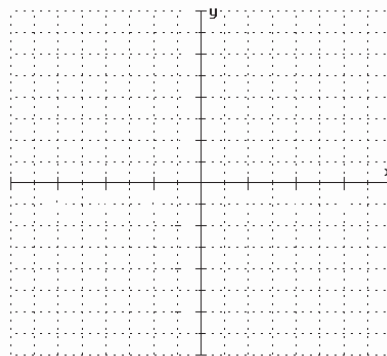
2. $2x - y = -2$



3. $y = \frac{2}{3}x + 4$

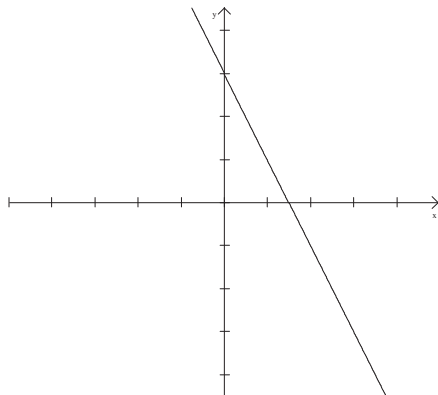


4. $y = 2$



Find the slopes of the following lines.

5.



5. _____

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Chapter 3 Test Form A *cont'd*

6. through $(-2, 4)$ and $(-6, 5)$ 6. _____
7. $3x + 2y = 6$ 7. _____
8. $y = 5$ 8. _____
9. Determine the slope and y-intercept of the line
 $2x + y = 3$ 9. _____
10. Determine whether the graphs of the lines would
be parallel, perpendicular, or neither. 10. _____
 $y = 3x - 6$
 $x + 3y = 9$

Find the equations of the following lines. Write the equation in the form $Ax + By = C$.

11. with slope $-\frac{1}{3}$, through $(-2, 4)$ 11. _____
12. through the origin and $(5, -6)$ 12. _____
13. through $(-3, 5)$ and $(4, 2)$ 13. _____
14. with slope 6 and y-intercept -3 14. _____

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Chapter 4 Test Form A

Determine whether the ordered pair satisfies the system of linear equation..

1. $x - 2y = 4$ (2,1)
 $3x + y = 5$

1. _____

2. $x + y = 3$ (2,1)
 $2x - y = 3$

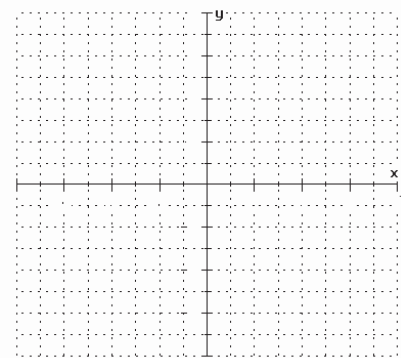
2. _____

3. $x + 2y = 5$ (1,4)
 $2x - y = -2$

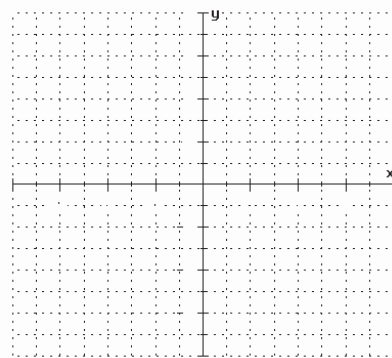
3. _____

Solve each system of equations by graphing.

4. $y = 3x - 1$
 $y = -3x + 3$



5. $2x - y = 4$
 $6x - 3y = 8$



Solve each system of equations by substitution.

6. $2x - 3y = -8$
 $x - y = -2$

6. _____

7. $2x + y = 5$
 $3x - 2y = 4$

7. _____

8. $y = 3x - 2$
 $2x + y = 8$

8. _____

9. $3x - y = 2$
 $2x - y = 0$

9. _____

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Chapter 4 Test Form A *cont'd*

10.
$$\begin{aligned} 3x + y &= 5 \\ 2x - y &= 10 \end{aligned}$$
 10. _____

Solve each system of equations by addition.

11.
$$\begin{aligned} 3x - 2y &= 6 \\ x + 2y &= 2 \end{aligned}$$
 11. _____

12.
$$\begin{aligned} \frac{x}{4} + \frac{3y}{4} &= 2 \\ \frac{x}{2} + \frac{y}{4} &= -1 \end{aligned}$$
 12. _____

13.
$$\begin{aligned} x + 2y &= -2 \\ 3x - 4y &= -6 \end{aligned}$$
 13. _____

14.
$$\begin{aligned} 2x + 4y &= 12 \\ 3x + 6y &= 10 \end{aligned}$$
 14. _____

15.
$$\begin{aligned} 2x + 3y &= -1 \\ x + 4y &= 7 \end{aligned}$$
 15. _____

Solve by substitution or addition.

16.
$$\begin{aligned} y &= -2x \\ 2x + y &= 0 \end{aligned}$$
 16. _____

17.
$$\begin{aligned} 3x + y &= 5 \\ 6x - y &= -2 \end{aligned}$$
 17. _____

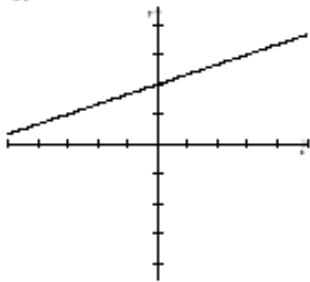
18.
$$\begin{aligned} \frac{1}{2}x + y &= \frac{7}{2} \\ \frac{1}{2}x - \frac{1}{2}y &= -1 \end{aligned}$$
 18. _____

19. One number is 2 more than another number. Their sum is 8. Find the two numbers. 19. _____

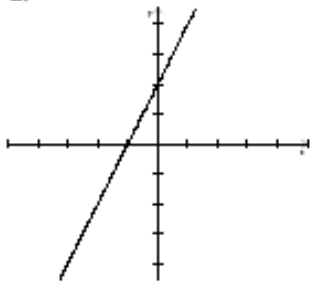
20. Basketball tickets at a high school sell for \$5 and \$2 for students. \$900 was made in sales for one game and a total of 270 tickets were sold. How many of each type ticket were sold? 20. _____

Test 3 - A

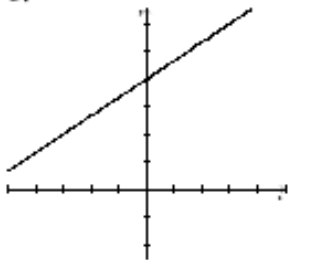
1.



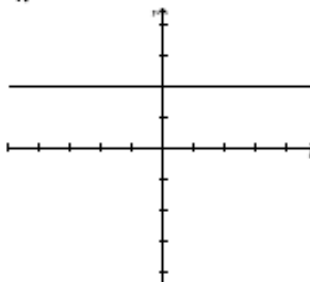
2.



3.



4.



5. -2

6. $-\frac{1}{4}$

7. $-\frac{3}{2}$

8. 0

9. $m = -2, b = 3$

10. perpendicular

11. $x + 3y = 10$

12. $6x + 5y = 0$

13. $3x + 7y = 26$

14. $6x - y = 3$

15. Perpendicular

16. Perpendicular

17. Parallel

18. 5

19. -20

20. -5

21. -5

22. 10

23. 10

24. 1000

25. 1000

26. 1000

27. 1000

28. 1000

29. 1000

30. 1000

Test 4 – A

1. no
2. yes
3. no
4. $\left(\frac{2}{3}, 1\right)$
5. no solution
6. (2, 4)
7. (2, 1)
8. (2, 4)
9. (2, 4)
10. (3, -4)
11. (2, 0)
12. (-4, 4)
13. (-2, 0)
14. no solution
15. (-5, 3)
16. infinite solutions
17. $\left(\frac{1}{3}, 4\right)$
18. (1, 3)
19. 3 and 5
20. 120, \$5 tickets
150, \$2 tickets

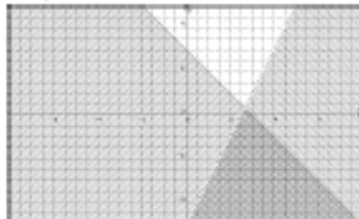
21.



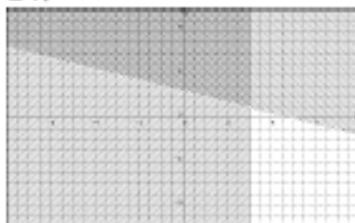
22.



23.



24.



25.

