

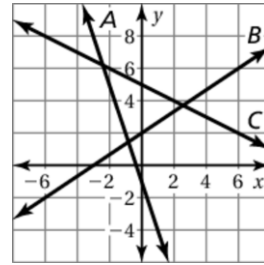
WLMS Graphing and Writing Lines Complete Review

Match the equation with its graph. Identify the slope and y-intercept.

1. $y = -\frac{1}{2}x + 5$

2. $y = -3x - 1$

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



Find the slope and the y-intercept of the graph of the linear equation.

4. $y = x + 4$

5. $y = -8x + 3$

6. $y = -\frac{5}{7}x - 2$

7. $y = 1.75x - 1$

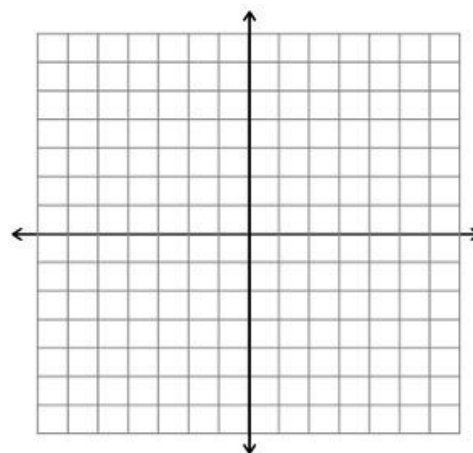
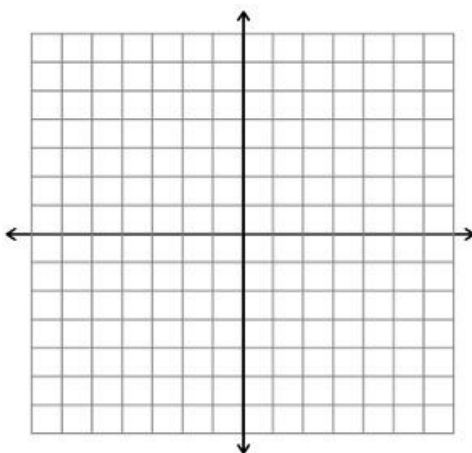
8. $y - 2 = 6x$

9. $y + 7 = \frac{1}{9}x$

Graph the linear equation. Identify the x-intercept. Use a graphing calculator to check your answer.

11. $y = 3x - 6$

12. $y - 3 = -\frac{1}{2}x$



SECTION 2

Write the linear equation in slope-intercept form.

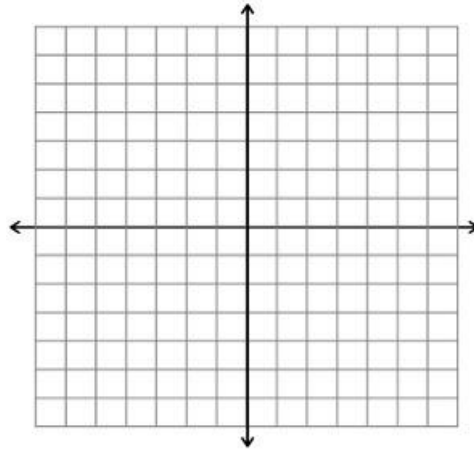
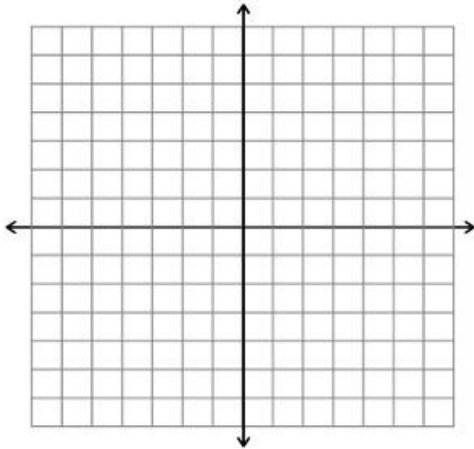
1. $4x + y = 10$

2. $3x - y = 7$

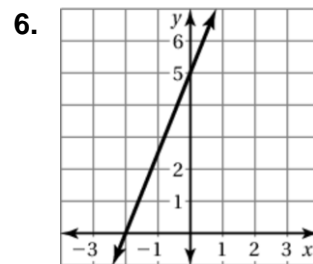
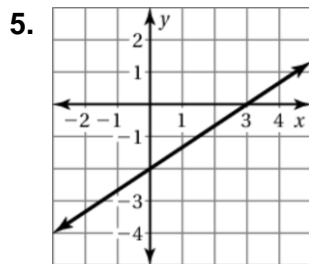
Graph the linear equation. Use a graphing calculator to check your graph.

3. $2x - 3y = 6$

4. $5x - 3y = 15$



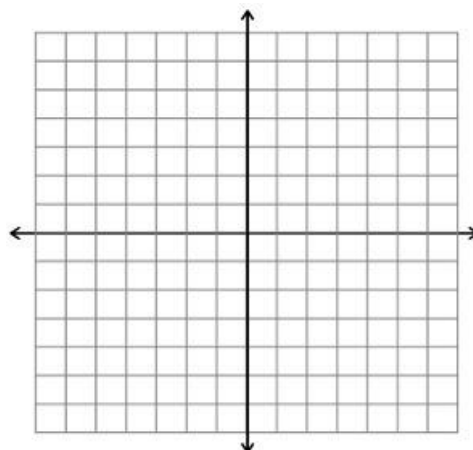
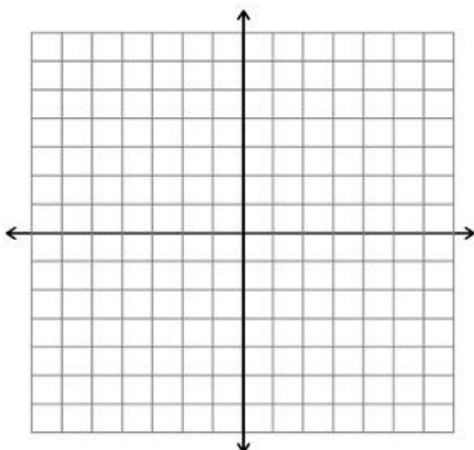
Use the graph to find the x - and y -intercepts.



Graph the linear equation using intercepts. Use a graphing calculator to check your graph.

7. $4x + y = 8$

8. $3x - 2y = 12$



SECTION 3

Write in point-slope form an equation of the line that passes through the given point and has the given slope.

1. $(4, -2); m = \frac{1}{4}$

2. $(-3, 5); m = -\frac{4}{3}$

3. $(2, 2); m = -1$

4. $(-1, -5); m = 4$

Write in slope-intercept form an equation of the line that passes through the given points.

5. $(-3, -4), (6, -1)$

6. $(-4, 12), (2, -3)$

7. $(-1, -2), (1, -6)$

8. $(-2, -9), (1, 6)$

SECTION 4

Write in point-slope form an equation of the line that passes through the given point and has the given slope.

1. $(-6, 3); m = \frac{1}{3}$

2. $(8, -7); m = -\frac{3}{4}$

3. $(-1, -5); m = 2$

4. $(-2, 8); m = -3$

Write in slope-intercept form an equation of the line that passes through the given points.

5. $(2, 3), (3, 7)$

6. $(-5, -8), (10, 4)$

7. $(-6, 4), (6, 0)$

8. $(2, 4), (4, 9)$