

Find the slope of the line that passes through each pair of points.

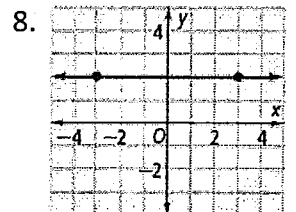
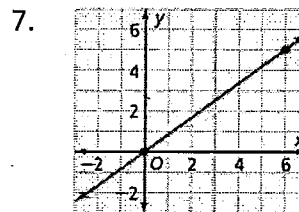
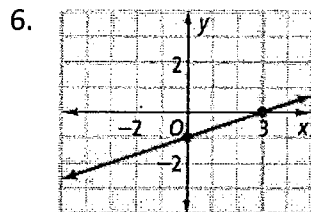
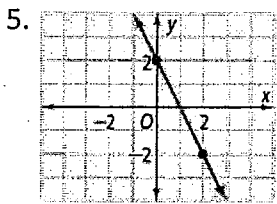
1. $(0, 0), (3, 3)$

2. $(0, -1), (2, 3)$

3. $(-6, 1), (4, 8)$

4. $(2, -3), (5, -4)$

Find the slope of each line.



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

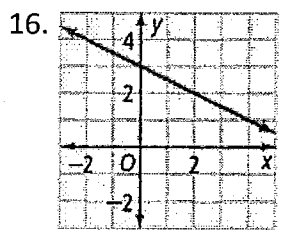
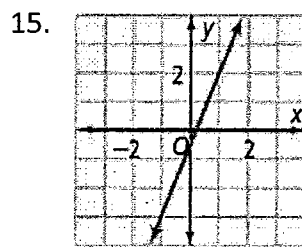
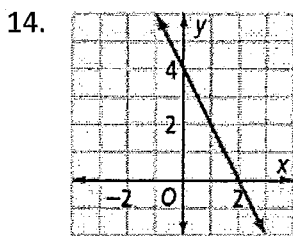
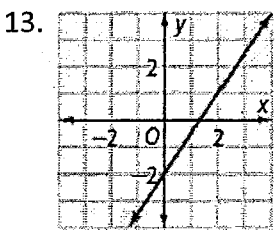
9. $y = 3x + 1$

10. $y = -x + 4$

11. $y = 5x - 3$

12. $y = \frac{1}{4}x + 2$

Write an equation in slope-intercept form of each line.



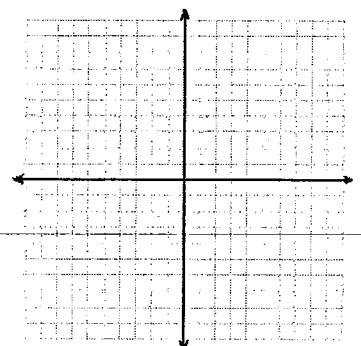
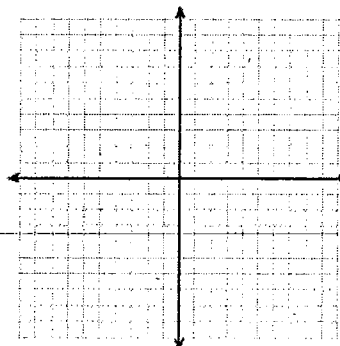
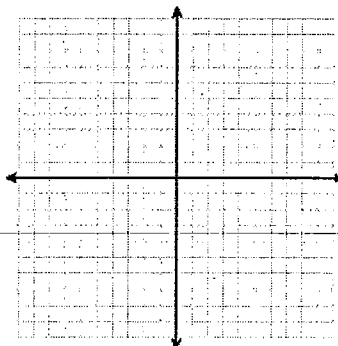
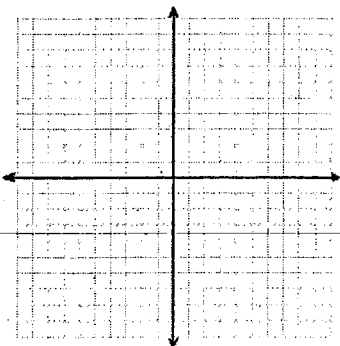
Graph each equation.

17. $y = -x + 5$

18. $y = 3x - 2$

19. $y = \frac{1}{4}x + 1$

20. $y = -2x - 1$



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

21. $(3, -4); m = 6$

22. $(4, 2); m = \frac{5}{3}$

Write the equation in slope intercept form.

23. $y - 3 = 4(x + 9)$

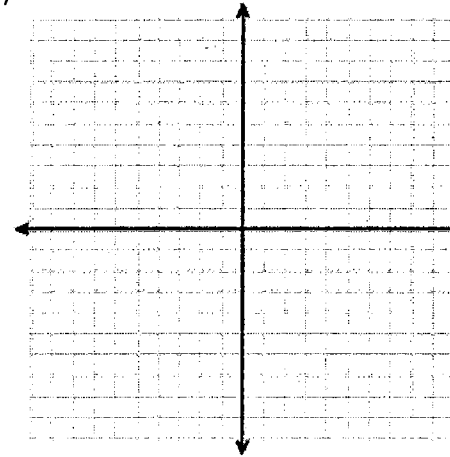
24. $y + 5 = -\frac{3}{4}(x - 8)$

25. $y + 3 = \frac{1}{3}(x - 6)$

Graph the line from point slope form.

$m =$ _____

Point =



Find the slope using the slope formula. Pick ONE point and write an equation in point-slope form of the line that passes through the given points. Then write the equation in slope-intercept form. **SHOW ALL WORK!**

25. $(1, 4), (-1, 1)$

26. $(2, 4), (-3, -6)$