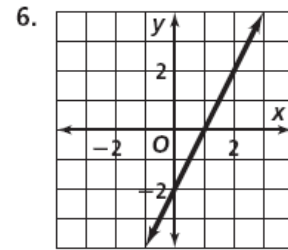
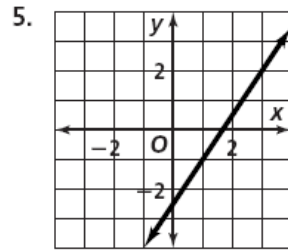
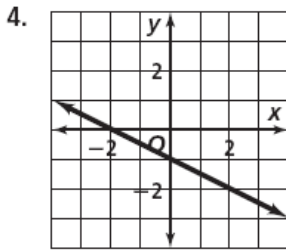


Find the slope of each line.

1. $2x - 5y = 0$

2. $5x - y = -7$

3. $x - \frac{2}{3}y = \frac{1}{4}$



7. through $(4, -1)$ and $(-2, -3)$

8. through $(3, -5)$ and $(1, 2)$

Write in point-slope form the equation of the line through each pair of points.

9. $(0, 1)$ and $(3, 0)$

10. $(\frac{1}{2}, \frac{2}{3})$ and $(-\frac{3}{2}, \frac{5}{3})$

11. $(-3, -2)$ and $(1, 6)$

Graph each equation.

12. $4x + 3y = 12$

13. $\frac{x}{3} - \frac{y}{6} = 1$

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

Write in standard form an equation of the line with the given slope through the given point.

15. slope = -4 ; $(2, 2)$

16. slope = $\frac{2}{5}$; $(-1, 3)$

17. slope = 0 ; $(3, -4)$

What is the slope of a line perpendicular to $y = \frac{2}{3}x - 7$? What is the slope of a line parallel to $y = \frac{2}{3}x - 7$?

Match each equation with its graph.

1. $y = |x - 1|$

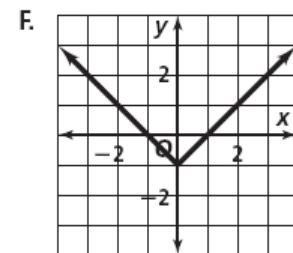
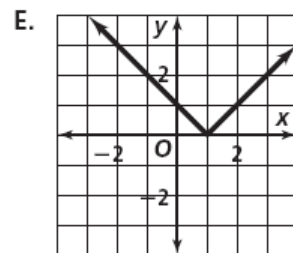
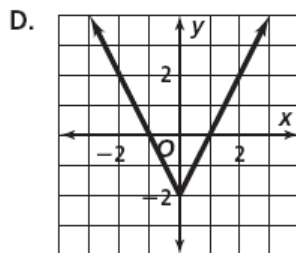
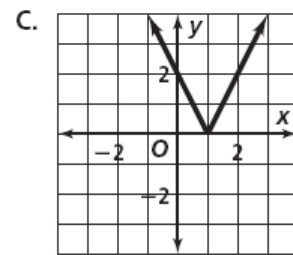
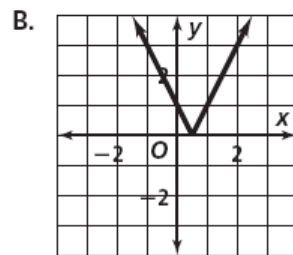
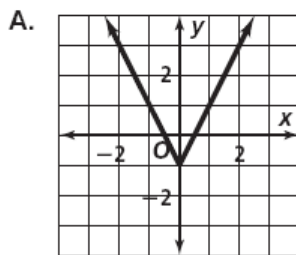
2. $y = 2|x - 1|$

3. $y = |2x| - 1$

4. $y = |x| - 1$

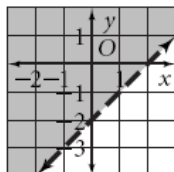
5. $y = |2x - 1|$

6. $y = |2x| - 2$

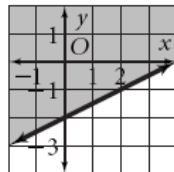


Write an inequality for each graph. In each case, the equation for the boundary line is given.

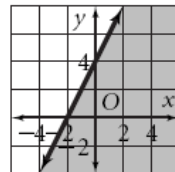
1. $y = x - 2$



2. $x - 2y = 4$



3. $y - 2x = 4$



4. $y = -2$

