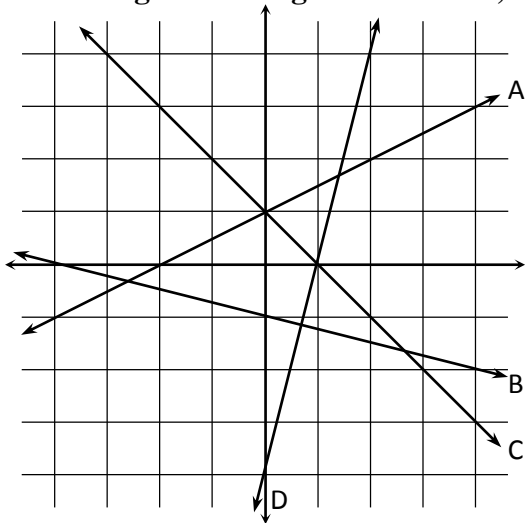# Lines

Assuming that each grid is one unit, write the equations of each of the following lines.

1. A: _____

2. B: _____

3. C: _____

4. D: _____

5. Write the equation of the line parallel to **A** with the same *y*-intercept as **B**.

6. Write the equation of the line parallel to **C** passing through the point (1, 1).

7. Write the equation of the line through the points (4, -7) and (-2, 5).

8. Write the equation of the line perpendicular to the line through the points (5, 0) and (1, 4), and passing through the point (0, 4).

9. Write the equation of the line parallel to the line through (-4, 3) and (0, -1) with an *x*-intercept value of 2.

10. Sketch each of the following equations on the grid provided.

    a. $y = 2x + 2$

    b. $y = \frac{1}{3}x - 9$

    c. $y - 2 = -3(x - 1)$

    d. $\frac{x}{5} + \frac{y}{3} = 1$