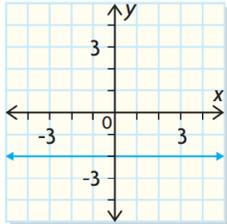


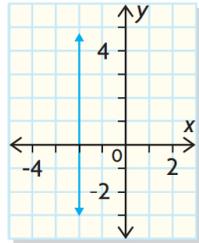
Other Lines

1. Match each equation to its corresponding graph.

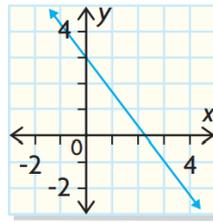
a) $x = -2$



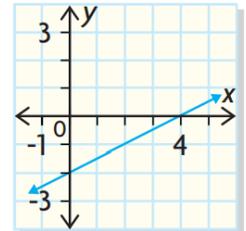
b) $y = -2$



c) $y = \frac{1}{2}x - 2$



d) $y = -\frac{4}{3}x + 3$



2. Determine the equation of each line:

a) passing through A(1,9) and B(1,-7)

b) passing through C(-12,7) and F(4,7)

3. Determine which of the following lines are parallel and which are perpendicular to each other.

a) $y = -\frac{1}{3}x + 2$

b) $y = -3x + 2$

c) $y = \frac{7}{2}x - 4$

d) $y = \frac{2}{7}x - 3$

e) $y = \frac{1}{3}x + 3$

f) $y = -\frac{1}{3}x + 1$

g) $y = \frac{-2}{7}x - 9$

4. Are the lines defined by the equations $x = 3$ and $y = 4$ parallel, perpendicular, or neither? Explain.

5. Use the given information to write the equation of each line:

a) A line parallel to the line defined by $y = 3x + 5$ and passing through (3,-5).

b) A line perpendicular to the line defined by $y = 3x + 5$ and passing through (3,-5).

c) A line perpendicular to $4x - 3y = 12$ with the same y-intercept as the line given by $2x - 3y = 6$.