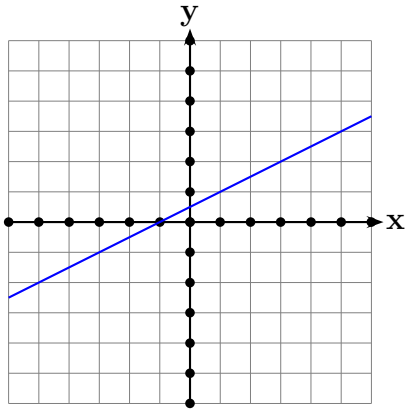
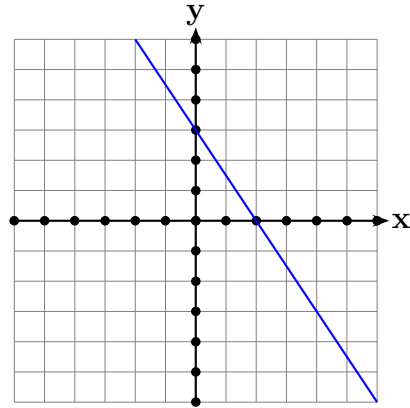


Identifying equations of lines

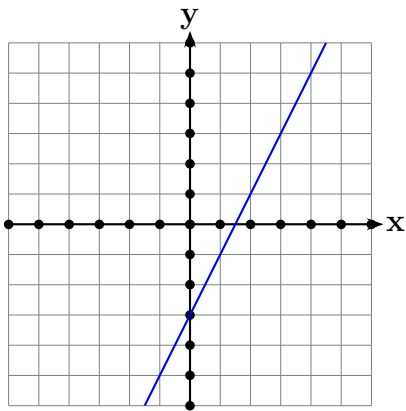
1. Choose the correct equation for each of the lines shown below:



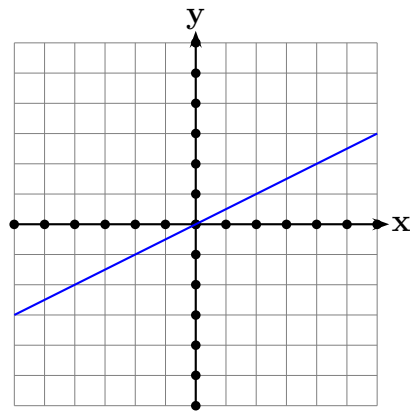
- A. $2x + y - 1 = 0$
- B. $x - 2y + 1 = 0$
- C. $2x + 2y + 1 = 0$
- D. $x - 2y + 2 = 0$



- A. $2x - 3y = 6$
- B. $-3x + 2y = -6$
- C. $3x - 2y = 6$
- D. $3x + 2y = 6$



- A. $y = 2x - 3$
- B. $y = -2x + 3$
- C. $y = 3x + 2$
- D. $y = 2x + 3$



- A. $y = x$
- B. $y = 2x$
- C. $y = \frac{x}{2}$
- D. $y = -x$

Practice on finding the slope

1. Find the slope for each of the following pair of points.

(a) $(1, 2)$, $(3, 4)$

(b) $(0, 0)$, $(-2, -6)$

(c) $(-3, -6)$, $(3, -5)$

(d) $(2, 3)$, $(-7, 3)$

(e) $(5, -5), (-1, -6)$

(f) $(5, -6), (-1, 0)$

(g) $(0, -3), (6, 0)$

(h) $(2, 3), (2, -1)$

2. Are the following points collinear?

(a) $(1, 2)$, $(2, 3)$, $(5, 6)$

(b) $(0, -2)$, $(5, 1)$, $(-5, -5)$

(c) $(2, 3)$, $(-1, 4)$, $(5, 3)$

(d) $(0, 0)$, $(2, 3)$, $(3, 2)$

(e) $(-2, 1)$, $(5, 15)$, $(3, 11)$