

Using The y-intercept Formula

Change each one of the following equations into y-intercept form.

1) $6x + 3y = 12$

2) $-12x + 4y = 36$

3) $5x - y = 8$

4) $4x + y = 9$

5) $-2x - y = 14$

6) $8x - y = 3$

7) $-10x - 20y = 40$

8) $-8x - 8y = -8$

9) $9x + 3y = 30$

10) If a line has a slope of 5 and a y-intercept of -6, which of the following is an equation of that line? (Hint: Change the choices below into $y = mx + b$ form.)

a) $5x + -6y = -1$

b) $5x + y = -6$

c) $5x - y = 6$

d) $x + 6y = -5$

11) If a line has a slope of 9 and a y-intercept of -3, which of the following is an equation of that line?

a) $9x - y = 3$

b) $6x - 3y = 12$

c) $9x - 3y = 6$

d) $9x - y = -3$

12) If a line has a slope of -4 and a y-intercept of 3, which of the following is an equation of that line?

a) $-4x + 3y = 1$

b) $4x + y = 3$

c) $x + 4y = 6$

d) $4x - y = 3$

