Remember that in the slope-intercept form of $y = mx + b$...
m is slope
b is y-intercept
x and y are coordinates on the line

Which of the following is equivalent to $4x - 3y = -6$?

a. $y = \frac{4}{3}x - 2$
b. $y = -\frac{4}{3}x + 2$
c. $y = -\frac{4}{3}x - 2$
d. $y = \frac{4}{3}x + 2$

Remember that in the slope-intercept form of $y = mx + b$...
m is slope
b is y-intercept
x and y are coordinates on the line

Which of the following is equivalent to $8x - 9y = 10$?

a. $y = -\frac{8}{9}x + \frac{10}{9}$
b. $y = \frac{8}{9}x + \frac{10}{9}$
c. $y = \frac{8}{9}x - \frac{10}{9}$
d. $y = -\frac{8}{9}x - \frac{10}{9}$

Remember that in the slope-intercept form of $y = mx + b$...
m is slope
b is y-intercept
x and y are coordinates on the line

Which of the following is equivalent to $y = \frac{6}{5}x + \frac{8}{5}$?

a. $6x - 5y = -8$
b. $6x + 5y = 8$
c. $-6x + 5y = -8$
d. $-6x - 5y = 8$

Remember that in the slope-intercept form of $y = mx + b$...
m is slope
b is y-intercept
x and y are coordinates on the line

Which of the following is equivalent to $y = -\frac{3}{4}x - \frac{5}{4}$?

a. $-3x - 4y = -5$
b. $3x - 4y = 5$
c. $3x + 4y = -5$
d. $-3x + 4y = 5$

Remember that in the slope-intercept form of $y = mx + b$...
m is slope
b is y-intercept
x and y are coordinates on the line

Which of the following match the points in the set?
$\{(-6, 8), (12, -7), (18, -12)\}$

a. $y = \frac{5}{6}x + 3$
b. $y = -\frac{5}{6}x + 3$
c. $y = \frac{5}{6}x - 3$
d. $y = -\frac{5}{6}x - 3$

Remember that in the slope-intercept form of $y = mx + b$...
m is slope
b is y-intercept
x and y are coordinates on the line

Which of the following match the points in the set?
$\{(-3, 3), (-6, 7), (-9, 11)\}$

a. $y = -\frac{4}{3}x - 1$
b. $y = -\frac{4}{3}x + 1$
c. $y = \frac{4}{3}x + 1$
d. $y = \frac{4}{3}x - 1$

Remember that in the slope-intercept form of $y = mx + b$...
m is slope
b is y-intercept
x and y are coordinates on the line

Which of the following match the points in the set?
$\{(3, 6), (-6, -6), (9, 14)\}$

a. $4x - 3y = -6$
b. $-4x + 3y = -6$
c. $-4x - 3y = 6$
d. $4x + 3y = 6$

Remember that in the slope-intercept form of $y = mx + b$...
m is slope
b is y-intercept
x and y are coordinates on the line

Which of the following match the points in the set?
$\{(-4, -4), (8, 11), (-12, -14)\}$

a. $5x + 4y = -4$
b. $-5x - 4y = -4$
c. $-5x + 4y = 4$
d. $5x - 4y = 4$

Find the y-intercept of a line that goes through (6, 7) and has a slope of $\frac{1}{2}$.

Find the y-intercept of a line that goes through (–6, –8) and has a slope of 1.

Find the y-intercept of a line that goes through (–4, –9) and has a slope of $\frac{1}{2}$.

Find the y-intercept of a line that goes through (6, –16) and has a slope of –2.