m is slope Remember that in the slope-intercept form of y = mx + b...

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. $y = \frac{4}{3}x + 2$

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ExamView

Remember that in the slope-intercept form of y = mx + b...

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.
$$6x - 5y = -$$

$$-6x + 5y = -8$$

a.
$$6x - 5y = -8$$

b. $6x + 5y = 8$

c.
$$-6x + 5y = -8$$

d. $-6x - 5y = 8$

ExamView 3

Remember that in the slope-intercept form of y = mx + b...

b is y-intercept

x and y are coordinates on the line

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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. $y = -\frac{8}{9}x - \frac{10}{9}$

ExamView

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Remember that in the slope-intercept form of y = mx + b...

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. $3x - 4y = 5$

$$c. \quad 3x + 4y = -$$

b.
$$3x - 4y =$$

c.
$$3x + 4y = -5$$

d. $-3x + 4y = 5$

b is y-intercept Remember that in the slope-intercept form of y = mx + b...

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. $y = -\frac{5}{6}x - 3$

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ExamView

Remember that in the slope-intercept form of y = mx + b...

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.
$$4x - 3y = -$$

c.
$$-4x - 4x - 3$$

a.
$$4x-3y=-6$$

b. $-4x+3y=-6$

$$-4x - 3y = 6$$
$$4x + 3y = 6$$

ExamView

Remember that in the slope-intercept form of y = mx + b...

b is y-intercept

x and y are coordinates on the line

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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. $y = \frac{4}{3}x-1$

ExamView

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Remember that in the slope-intercept form of y = nx + b...

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.
$$5x + 4y = -4$$

$$-5x+4y=4$$

b.
$$-5x - 4y = -4$$

d.
$$5x - 4y = 4$$



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

ExamView

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

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

ExamView

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

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