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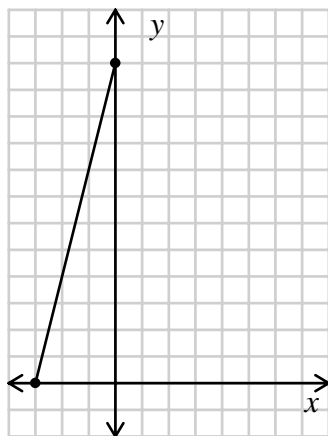
1. Which equation shows $y = \frac{2x}{3} - 1$ in standard form?

[A] $2x + 3y = -1$ [B] $3x + 2y = -1$
[C] $2x - 3y = 1$ [D] $2x - 3y = 3$
[E] $2x + 3y = -3$

2. Which equation is $y = \frac{2}{3}x - 5$ written in $Ax + By = C$ form?

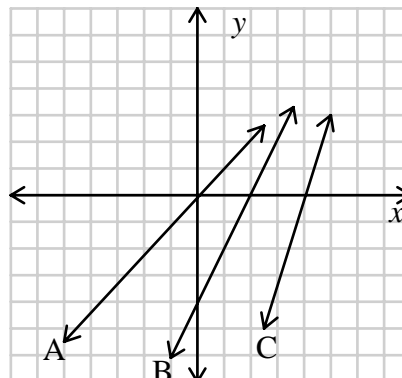
[A] $2x + 3y = -5$ [B] $6x + 3y = 15$
[C] $2x + 3y = 15$ [D] $2x - 3y = 15$
[E] $6x - 3y = -15$

3. Which of the following represents the x - and y -intercepts of the graph shown?



[A] $-3; 12$ [B] $-12; 3$
[C] $3; 12$ [D] none of these answers

4. Which of the following illustrates the graph of $2x - y = 4$?



[A] Line C [B] Line B
[C] Line A [D] none of these answers

5. Use a graphing calculator to graph the equation $15x + 3y = 12$. Make a sketch of the graph. Include Xmin, Xmax, Ymin, Ymax, and the x - and y -intercepts.

6. Compare the quantity in Column A with the quantity in Column B.

Column A

Column B

slope of $3x + y = 5$

slope of $2x - y = 5$

[A] The quantity in Column A is greater.
[B] The quantity in Column B is greater.
[C] The two quantities are equal.
[D] The relationship cannot be determined on the basis of the information supplied.

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7. Compare the quantity in Column A with the quantity in Column B.

Column A

Column B

the x -intercept of $2x - 3y = 4$ the x -intercept of $4x + y = 2$

- [A] The quantity in Column A is greater. [B] The quantity in Column B is greater.
[C] The two quantities are equal.
[D] The relationship cannot be determined on the basis of the information supplied.

8. Compare the quantities in Column A and Column B.

Column A

Column B

the y -intercept of the the y -intercept of the
line for the equation line for the equation
 $2y = 3x - 4$ $4x - 2y = 4$

- [A] The quantity in Column A is greater. [B] The quantity in Column B is greater.
[C] The quantities are equal.
[D] The relationship cannot be determined from the information given.

9. Compare the quantities in Column A and Column B.

Column A

Column B

The value of A when the equation The coefficient of x when
 $y = \frac{4}{5}x - \frac{3}{4}$ is written in $y = \frac{4}{5}x - \frac{3}{4}$ is written in
 $Ax + By = C$ form. $Ax + By = C$ form.

- [A] The quantity in Column A is greater. [B] The quantity in Column B is greater.
[C] The quantities are equal.
[D] The relationship cannot be determined from the information given.

10. Compare the quantity in Column A with the quantity in Column B.

Column A

Column B

the slope of $2x + 3y = 4$ the slope of $y = 1.5x - 2$

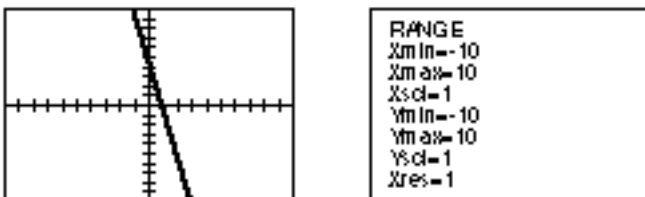
- [A] The quantity in Column A is greater. [B] The quantity in Column B is greater.
[C] The quantities are equal.
[D] The relationship cannot be determined on the basis of the information given.

[1] D

[2] D

[3] A

[4] B



[5] x -intercept: $\frac{4}{5}$; y -intercept: 4

[6] B

[7] A

[8] C

[9] C

[10] B