Quiz 2.5: Graphing Linear Functions

Multiple Choice: *Choose the letter that corresponds to the correct answer. Write the answer in your notebook.*

1. The ordinate of the coordinates of the point in which the graph intersects the y-axis is called:

   A. Domain B. Range C. x-intercept D. y-intercept

2. Which of the following shows the correct definition of slope?

   A. $\frac{\text{run}}{\text{rise}}$ B. $\frac{\text{rise}}{\text{run}}$ C. $\frac{x}{y}$ D. $\frac{y}{x}$

3. The abscissa of the coordinates of the point in which the graph intersects the x-axis is called:

   A. Domain B. Range C. x-intercept D. y-intercept

4. To find the x-intercept, let $f(x)$ be equal to:

   A. -1 B. 0 C. 1 D. y

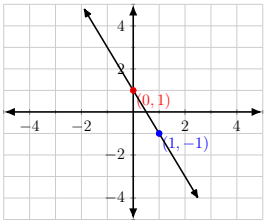
5. To find the y-intercept, let x be equal to:

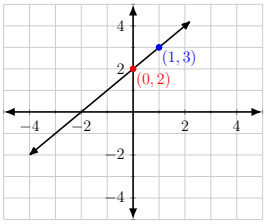
   A. -1 B. 0 C. 1 D. y

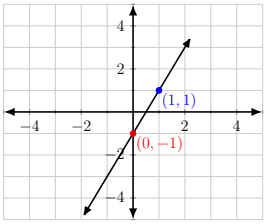
6. Which of the following is NOT a method for graphing linear functions?

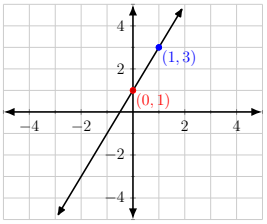
   A. Using a point
   B. Using the x- and y-intercepts
   C. Using the slope and a point
   D. Using the slope and the y-intercept

7. Which of the following is the graph of $f(x) = -2x + 1$?

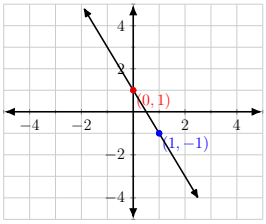
   A. 

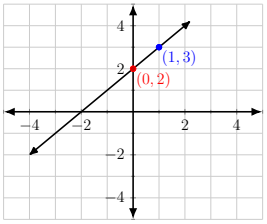
   B. 

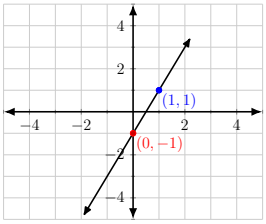
   C. 

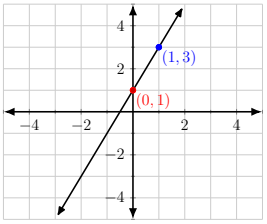
   D. 

8. Which of the following is the graph of $f(x) = 2x + 1$?

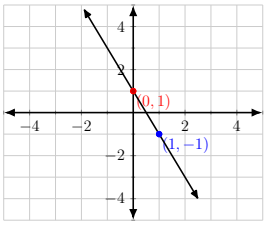
   A. 

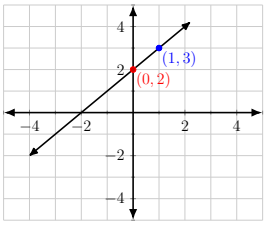
   B. 

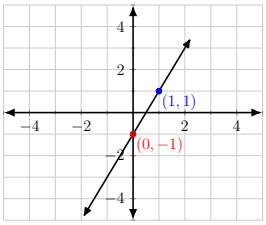
   C. 

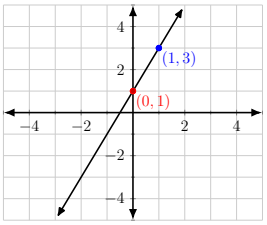
   D. 

9. Which of the following is the graph of $f(x) = x + 2$?

   A. 

   B. 

   C. 

   D. 

Answer Key

1. The ordinate of the coordinates of the point in which the graph intersects the y-axis is called:

   Solution:

   A. Domain B. Range C. x-intercept D. y-intercept

2. Which of the following shows the correct definition of slope?

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   Solution:

   A. -1 B. 0 C. 1 D. y

5. To find the y-intercept, let x be equal to:

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6. Which of the following is NOT a method for graphing linear functions?

   Solution:

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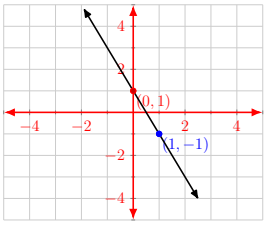
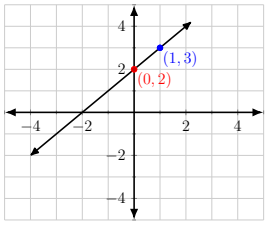
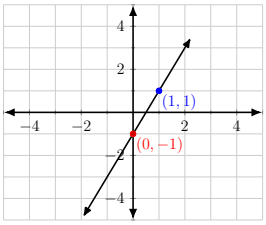
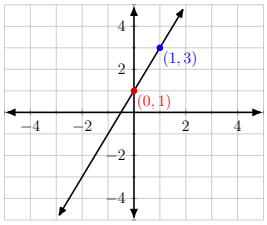
   Solution:

   A. 

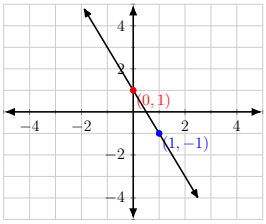
   B. 

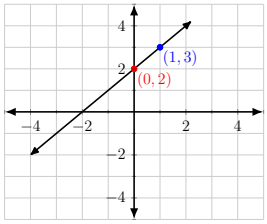
   C. 

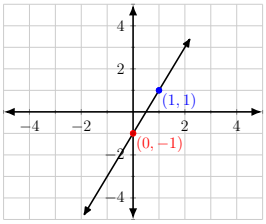
   D. 

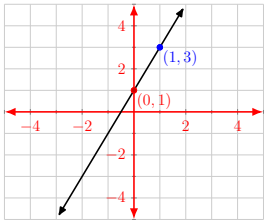
8. Which of the following is the graph of $f(x) = 2x + 1$?

   Solution:

   A. 

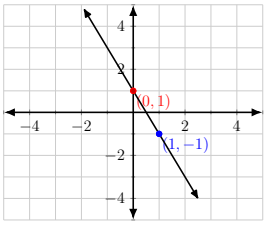
   B. 

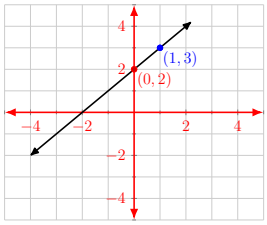
   C. 

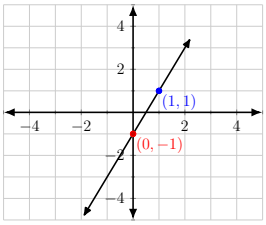
   D. 

9. Which of the following is the graph of $f(x) = x + 2$?

   Solution:

   A. 

   B. 

   C. 

   D.