Quiz #3 - Lines and Linear Equations



- (A) -6 (C) -2
- (B) 2 (D) 4



Which pair of points determines a line that is parallel to the y-axis? 8.)

- (A) (1,3) and (-2,3) (C) (1,-1) and (-1,1)
- (B) (2,3) and (2,5) (D) (1,1) and (-3,-3)
- 9.) Complete the table of values below. Then, graph the line. (4 points)



For 10 - 16, write the equation of a line in the form y = mx + b.

each question algebraically.

10.) Write the equation of a line with a slope of -1 and a y-intercept of 5. Graph the line on the graph paper provided. (3 points)

11.) Write the equation of a line with a slope of -4 that passes through the point (1,2). Graph the line on the graph paper provided. **(4 points)**

12.) Write the equation of a line containing the point (4,2) and a slope of $\frac{3}{2}$. Graph the line on the graph paper provided. **(4 points)**

13.) Write the equation of a line passing through the points (1,7) and (-2,-8). Graph the line on the graph paper provided. **(4 points)**

14.) Find and graph the equation of a horizontal line that passes through the point (3,8). Graph the line on the graph paper provided. **(4 points)**

15.) Find and graph the equation of a line that passes through the points (3,3) and (3,7). Graph the line on the graph paper provided. **(4 points)**

- 16.) Consider the line 3y + 4x = 9.
 - a.) Put the line in slope-intercept form and then graph it. (3 points)

b.) Find and graph the equation of a line that is parallel to the line and passes through the point (6,-1).
(4 points)

