Ch 3 Practice Test Name

6.

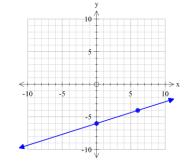
For #1 – 8: Find the slope of each line. 1. (2, 1) (-1, -5)

2. -7x - 3y = -6 (Put the equation in slope-intercept form to start.)

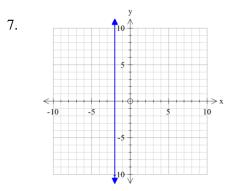
3. y - 4 = 0

4. A line perpendicular to the graph of y + 2 = 5

5. A line parallel to the graph of $y = \frac{3}{4}x - 1$.



8. A line perpendicular to the graph of 2y = 3x - 1.

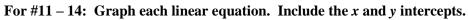


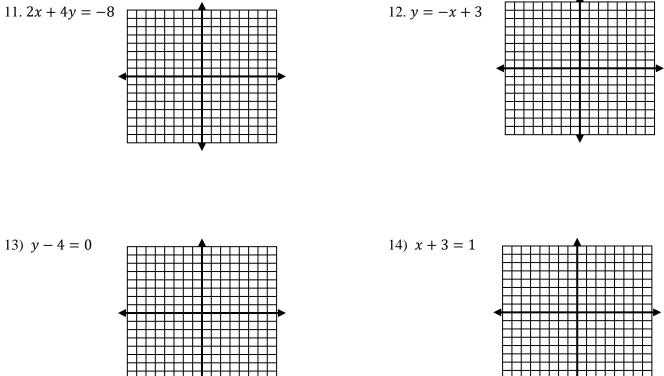
For #9 – 10: Complete the given ordered pair for each equation.

9. y = -3x - 2 (-4, __), (10, __), (__, 28), (__, -5)

10. 6x - 2y = -8 (-2, __), (8, __), (__, -5), (__, 1)

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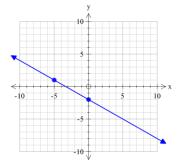




For #15 – 16: Determine if the given point is a solution to the equation: x = 715. (7,5) 16. (-2,7)

For #17 – 18: Determine if the given point is a solution to the equation: y = 8x - 1017. (4,9) 18. (1,-2) 19. The line graphed below.

20. A vertical line through (-3, 7)

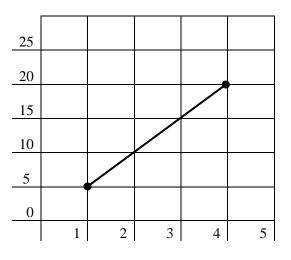


21. Through (4, -8) and $m = \frac{1}{2}$ 22. Through (-2, 4) and (-5, -5)

For #27 – 30: The graph shows the number of iPhones sold, in millions, with year 1 being 2007.

27. Write two ordered pairs for the data points shown in the graph.

28. Use the two points to write an equation of the line that models the data. Write the equation in slope-intercept form.

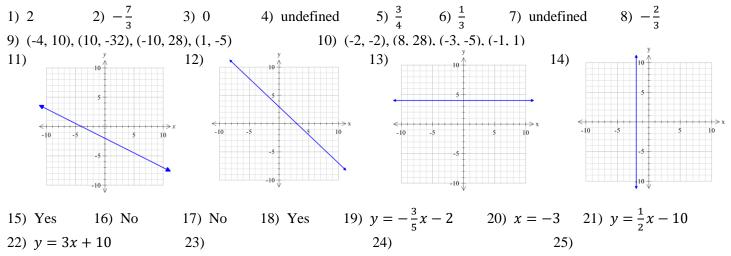


29. Use the equation to project the number of iPhones sold in 2012.

30. What does the ordered pair (4, 20) mean in the context of this problem?

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Answers:



26)

27) Any two of the following: (1, 5), (2, 10), (3, 15), (4 20)28) y = 5x29) 30 million30) In 2010, there were 20 million iPods sold.