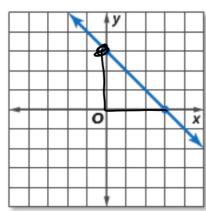
Algebra 1 Ch. 3 Review

Quiz 3.6 moves to Thurs.

Ch. 3 (test is Mon.)

Whiteboards

3.

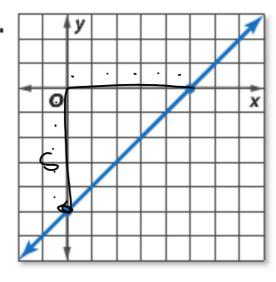


$$\int_{-\frac{3}{3}}^{2} x + 3$$

$$f(x) = -x + 3$$

$$G = -x + 3$$

2.



$$y = mx + B$$

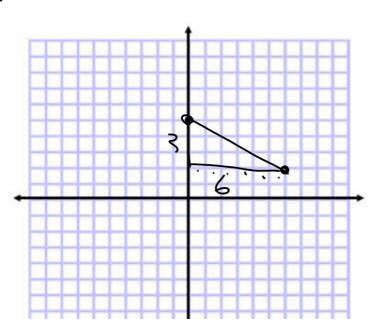
$$\frac{5}{5}x - S$$

$$f(x) = \chi - 5$$

Find the slope of the line that passes through each pair of points.

-<u>3</u>

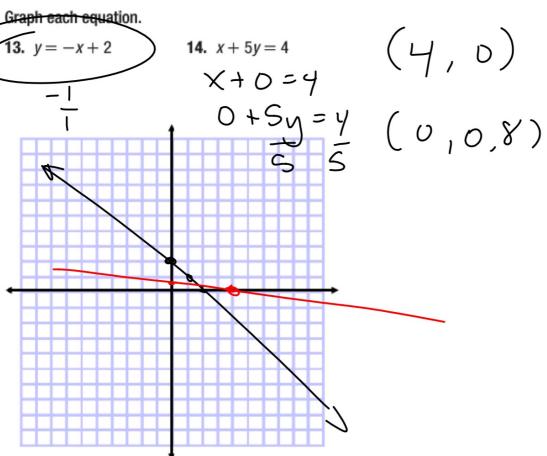
1



Graph each equation.

13.
$$y = -x + 2$$

14.
$$x + 5y = 4$$

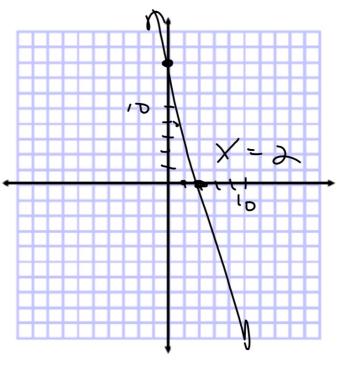


Solve each equation by graphing. **22.** 0 = 16 - 8x **23.** 0

22.
$$0 = 16 - 8x$$

23.
$$0 = 21 + 3x$$

Where does it cross the x-axis?



24.
$$-4x - 28 = 0$$

Find the zero (solve)
25.
$$25x - 225 = 0$$

26. FUNDRAISING Sean's class is selling boxes of popcorn to raise money for a class trip. Sean's class paid \$85 for the popcorn, and they are selling each box for \$1. The function y = |x - 85 represents their profit y for each box of popcorn sold x. Find the zero and describe what it means in this situation.

$$\frac{25 \times (225)^{-1}}{25 \times (225)^{-1}}$$

$$\frac{25 \times (225)^{-1}}{25}$$

$$\times = 9$$

31. PHOTOS The average cost of online photos decreased from \$0.50 per print to \$0.15 per print between 2002 and 2009. Find the average rate of change in the cost. Explain what it means.

$$.50$$

$$.15$$

$$M = .35 = 0.05$$

$$7$$

Suppose y varies directly as x. Write a direct variation equation that relates x and y. Then solve.

36. If
$$y = 15$$
 when $x = 2$, find y when $x = 8$.

$$y = Kx$$
 $y = 7.5x$
 $y = 7.5 \times 8$
 $7.5 - K$
 $y = 7.5 \cdot 8$

- 38. JOBS Suppose you earn \$127 for working 20 hours.
 - Write a direct variation equation relating your earnings to the number of hours worked.
 - b. How much would you earn for working 35 hours?

$$y = K \cdot x$$
 $y = 6.35 \times 35 \times 127 = K \cdot 20$
 $y = 6.35(35)$
 $y = 6.35(35)$
 $y = 6.35(35)$
 $y = 6.35(35)$

Example 5

Eind the next three terms of the arithmetic sequence

10. 23. 36. 49. . . .

$$d = 13$$

$$d = 13$$

$$a_{n} = 10 + (n-1) \cdot 13$$

$$a_{n} = 13 + 13 + 13$$

$$a_{n} = 13 + 13 + 13$$

$$a_{n} = 13 + 13 + 13$$

Write an equation for the nth term of each arithmetic sequence.

41.
$$a_1 = 6, d = 5$$

42. 28, 25, 22, 19, ...

$$y = 28 + (N-1)(-3)$$
 $(N-1) - 3$

For Wed. (turn in before you leave)

PT P. 207

No new assignment on Wed. Be ready for Thurs. quiz!