

## Pre-Algebra II Chapter 8 Practice Test

Calculate the slope using the two points and the formula.

1. (1, 2) and (2, 7)
2. (4, -9) and (-6, -12)
3. (1, 3) and (-1, -2)

Identify the slope and y-intercept from the given equations.

4.  $y = 5x + 2$
5.  $y = \frac{1}{3}x - 4$
6.  $y = x + 6$

Find the solutions of each equation for:  $x = -2, -1,$  and  $1$ .  
Write as ordered pairs! (x, y)

7.  $y = x + 5$
8.  $y = \frac{1}{2}x + 3$
9.  $y = 3x - 2$

Is the ordered pair a solution to the equation? (yes or no)

10.  $4x - 3y = 6$  (0, -2)
11.  $4x - 3y = 6$  (2, 3)
12.  $4x - 3y = 6$  (-3, -2)

Is each relation a function? (yes or no)

13. (-2, -12) (2, 0) (-3, 4) (3, 5)
14. (1, 1) (-2, 1) (-2, 2) (4, 1)
15. (1, 4) (1, 5) (1, -1) (1, -2)