

HW - EVEN OR ODD

Kuta Software - Infinite Algebra 1

Name _____

Writing Linear Equations

Date 2/23/16 Period _____

Write the slope-intercept form of the equation of each line.

1) $3x - 2y = -16$

$$\frac{-2y}{-2} = \frac{-3x - 16}{-2}$$

$$y = \frac{3}{2}x + 8$$

2) $13x - 11y = -12$

3) $9x - 7y = -7$

4) $x - 3y = 6$

5) $6x + 5y = -15$

6) $4x - y = 1$

7) $11x - 4y = 32$

8) $11x - 8y = -48$

Write the slope-intercept equation of the line through the given point with the given slope.

9) through: (1, 2), slope = 7

10) through: (3, -1), slope = -1

11) through: (-2, 5), slope = -4

12) through: (3, 5), slope = $\frac{5}{3}$

$$y - y_1 = m(x - x_1)$$

$$y - 5 = \frac{5}{3}(x - 3)$$

$$y - 5 = \frac{5}{3}x - 5$$

$$y = \frac{5}{3}x$$