

Simplify the Equations for the Variable y

$$3(8 + 2x) = 6y + 48$$

$$5(7 - 12x) = 15 - 20y$$

$$4(8x - 10) = 24 - 16y$$

$$3(12x + 10) = 54 - 6y$$

Solution

$$y = 4 - 2x$$

$$5(4 - 12x) = 20 + 60y$$

$$3(-4x + 16) = 36 - 12y$$

$$6(10x - 9) = 66 + 12y$$

$$4(x - y) = 12$$

$$5(13 - 16x) = -20y - 75$$

$$-64x = 4(-2y + 8)$$