Warm Up IXL 8th Grade AA.1

Ex. 1 Solve the system using subsitution.

$$2y + x = 8
y = -4x + 4$$

$$-8x + 8 + x = 8$$

$$-7x + 8 = 8$$

Ex. 2 Solve the system using subsitution.

$$y = -5x - 33$$

$$2x = 5 - 3y$$

$$2x = 5 - 3(-5x - 33)$$

$$2x = 5 + 15x + 99$$

$$-15x - 15x + 99$$

$$-13x = 5 + 99$$

$$-13x = 104$$

$$-13 - 13$$

$$x = -8$$

Ex. 3 Solve the system using subsitution.

$$x = 5y - 40$$

$$x = y - 16$$

$$5y - 40 = y - 16$$

$$4y - 40 = -16$$

$$4y - 40 = -16$$

$$4y = 24$$

$$4y = 6$$

Ex. 3 Solve the system using subsitution.

$$y = -4x = 39$$

$$y = -3(-10)^{-3}$$

$$-3x - 31 - 4x = 39$$

$$-7x - 31 = 39$$

$$+31 + 31$$

$$-7x = 70$$

$$-7 = -7$$

$$x = 70$$

ICA Wkst odds or evens + IXL 8th Grade AA.8