

$$2x + 4y = 16$$

$$\times 2 \quad 3x + 2y = 7$$

$$3 \times (2x + 4y = 16) = 6x + 12y = 48$$

$$2 \times (3x + 2y = 7) = 6x + 4y = 14$$

$$6x + 12y = 48$$

$$- \quad 6x + 4y = 14$$

$$0 \quad 8y = 34$$

$$y = \frac{34}{8} = 4.25$$

Then

$$2x + (4 \times 4.25) = 16$$

$$2x + 17 = 16$$

$$2x = 16 - 17 = -1$$

$$2x = -1$$

$$x = \frac{-1}{2}$$

$$x = 0.5$$

$$\begin{array}{r} 2 \times 3x = 6x \quad 14 \\ 2 \times 2y = 4y \end{array}$$

$$2x + 4y = 16$$

$$2x + 4y = 16$$

$$\times 2 \quad 3x + 2y = 7$$

$$- \quad 6x + 4y = 14$$

$$-4x = 2$$

$$x = \frac{2}{-4}$$

Check

$$(3 \times 0.5) + (2 \times 4.25) = 7$$

$$1.5 +$$

$$x = 0.5$$

$$y = 4.25$$