

Tarea #8

Andres Oidoriez

a) $4x + 33 = 21$

$$4x + 33 = 21$$

$$4x = 21 - 33$$

$$4x = -12$$

$$x = -12 / 4 = -3$$

$$4(-3) = -12$$

$$-12 = -12$$

b) $3x + 75 = 15$

$$3x + 75 = 15$$

$$3x = 15 - 75$$

$$3x = -60$$

$$x = -60 / 3 = -20$$

$$3(-20) = -60$$

$$-60 = -60$$

c) $\frac{x}{5} + 35 = 125$

$$\frac{x}{5}$$

$$\frac{x}{5} + 35 = 125$$

$$\frac{x}{5}$$

$$\frac{x}{5} = 125 - 35$$

$$\frac{x}{5}$$

$$\frac{x}{5} = 90$$

$$\frac{x}{5}$$

$$x = 90 \times 5 = 450$$

$$5/450 = 90$$

$$90 = 90$$

$$D) 5 + 5 = 95$$

$$5T + 5 = 95$$

$$5T = 95 - 5 = 90$$

$$T = 90 / 5 = 18$$

$$5(18) = 90$$

$$90 = 90$$

$$E) 8x - 136 = 64$$

$$8x - 136 = 64$$

$$8x = 64 + 136 = 200$$

$$x = 200 / 8 = 25$$

$$8(25) = 200$$

$$200 = 200$$

$$F) \frac{x}{2} + 19 = 72$$

$$2$$

$$\frac{x}{2} + 19 = 72$$

$$2$$

$$\frac{x}{2} = 72 - 19 = 53$$

$$2$$

$$x = 53 \times 2 = 106$$

$$2/116 = 58$$

$$58 = 58$$

$$G) 8y - 15 = 65$$

$$8y - 15 = 65$$

$$8y = 65 + 15 = 80$$

$$y = 80 / 8 = 10$$

$$8(10) = 80$$

$$80 = 80$$

$$\text{H) } 3w - 12 = 36$$

$$3w - 12 = 36$$

$$3w = 36 + 12 = 48$$

$$w = 48 / 3 = 16$$

$$3(16) = 48$$

$$48 = 48$$

$$\text{I) } x + 15 = 75$$

$$3$$

$$x + 15 = 75$$

$$3$$

$$x$$

$$\frac{x}{3} = 75 - 15 = 60$$

$$3(60) = 180$$

$$180 = 180$$

$$x = 60 \times 3 = 180$$

$$\text{J) } 2x - 4 = 16$$

$$2x - 4 = 16 + 4 = 20$$

$$2x = 16 + 4 = 20$$

$$x = 20 / 2 = 10$$

$$2(10) = 20$$

$$20 = 20$$

$$\text{K) } 52 - 200 = 245$$

$$52 - 200 = 245$$

$$52 = 245 + 200 = 445$$

$$2 = 445 / 5 = 89$$

$$5(89) = 445$$

$$445 = 445$$

$$\begin{array}{r} 1) \ x + 20 = 84 \\ 4 \end{array}$$

$$\begin{array}{r} x + 20 = 84 \\ 4 \end{array}$$

$$x = 84 - 20 = 64$$

$$4$$

$$x = 64 \times 4 = 256$$

$$4/256 = 64$$

$$64 = 64$$

$$M) 2x - 4 = 36$$

$$2x - 4 = 36$$

$$2x = 36 + 4 = 40$$

$$x = 40 / 2 = 20$$

$$2(20) = 40$$

$$40 = 40$$

$$N) 15z = 200 = 845$$

$$15z = 200 = 845$$

$$- \quad 15z = 845 + 200 = 1,045$$

$$z = 1,045 / 15$$

$$15(209)$$

$$1$$

$$O) \begin{array}{r} x + 25 = 115 \\ 5 \end{array}$$

$$5$$

$$\begin{array}{r} x = 115 - 25 = 90 \\ 5 \end{array}$$

$$5$$

$$x = 90 \times 5 = 450$$

$$5/450 = 90$$

$$90 = 90$$