

ACTIVIDAD EVALUADA: ECUACIONES CON SIGNOS DE AGRUPACION

NOMBRE: _____ - GRADO: _____

Resuelve las siguientes ecuaciones:

$$\diamond 6 + 8(2x - 4) = 14$$

X=

$$\diamond -5 + (-x + 4) = -12$$

X=

$$\diamond \left(\frac{1}{2}x + 2\right) + 1 = 7$$

X=

$$\diamond 3(-x + 1) + 2 = -10$$

X=

Completa el procedimiento de las siguientes ecuaciones:

$$-4x - 5 = 9 + 3x$$

$$\begin{aligned} -4x \quad & \boxed{} = 9 \quad \boxed{} \\ \boxed{} & = 14 \\ x & = 14 \quad \boxed{} - 7 \\ x & = \boxed{} \end{aligned}$$

$$-5(x + 2) + 16 = 26$$

$$\begin{aligned} -5x \quad & \boxed{} + 16 = \boxed{} \\ -5x + \quad & \boxed{} = 26 \\ -5x & = 26 \quad \boxed{} \\ -5x & = \boxed{} \\ \boxed{} & = 20 \div \boxed{} \\ x & = -4 \end{aligned}$$

$$-2(6x - 5) = -7x - 20$$

$$\begin{aligned} \boxed{} + 10 & = -7x \quad \boxed{} \\ \boxed{} \quad \boxed{} + 10 & = -20 \\ -5x & = -20 \quad \boxed{} 10 \\ -5x & = \boxed{} \\ x & = \boxed{} \div \boxed{} \\ x & = 6 \end{aligned}$$

$$8x - 30 = 2(x - 3)$$

$$\begin{aligned} 8x - 30 & = \boxed{} - 6 \\ 8x \quad & \boxed{} = \boxed{} \quad \boxed{} 30 \\ \boxed{} x & = \boxed{} \\ x & = \boxed{} \quad \boxed{} 6 \\ x & = \boxed{} \end{aligned}$$

Escribe si el valor de x es correcto o no, Justifica tu respuesta

$$28 - (x + 5) = 20 \longrightarrow x = -3 \quad \boxed{} \quad \boxed{}$$

$$-7 + 6x = 5(2x + 1) \longrightarrow x = -3 \quad \boxed{} \quad \boxed{}$$