

$$x - 3 = 5$$

$$x - 3 + 3 = 5 + 3$$

$$\underbrace{x = 8}$$

$$\frac{2 \cdot X}{2} = \frac{16}{2}$$

$$\boxed{X = 8}$$

$$2X - 3 = 17$$

$$2X - 3 + 3 = 17 + 3$$

$$2X \div 2 = 20 \div 2$$

$$X = 10$$

$$\overbrace{4x} + \overbrace{3} = \overbrace{3x} + \overbrace{5}$$

$$4x - 3x = 5 - 3$$

$$1x = 2$$

$$\boxed{x = 2}$$

Verifica

$$4 \cdot 2 + 3 = 3 \cdot 2 + 5$$

$$11 = 11$$

$$\sqrt{x} - 3 = 6$$

$$\sqrt{x} = 6 + 3$$

$$\sqrt{x} = 9$$

$$x = 9^2$$

$$\underbrace{x = 81}$$

$$6.(x - 5) = 2.(x + 1)$$

$$6x - 30 = 2x + 2$$

$$6x - 2x = 2 + 30$$

$$4x = 32$$

$$x = 32 : 4$$

$$\boxed{x = 8}$$

$$2. (x + 6) - 1 = 19$$

$$2(x + 6) = 19 + 1$$

$$x + 6 = 20 : 2$$

$$x = 10 - 6$$

$$\boxed{x = 4}$$

$$(x + 1)^3 = 27$$

$$x + 1 = \sqrt[3]{27}$$

$$x = 3 - 1$$

$$\boxed{x = 2}$$

$$\frac{3}{x-2} = \frac{-1}{x+4}$$

$$3 \cdot (x+4) = (x-2) \cdot -1$$

$$3x + 12 = -1x + 2$$

$$3x + 1x = 2 - 12$$

$$4x = -10$$

$$x = -10 : 4$$

$$x = -\frac{5}{2} \quad \checkmark \quad -2.5$$

$$\begin{array}{l} - \cdot - = + \\ + \cdot + = + \\ - \cdot + = - \\ + \cdot - = - \end{array}$$