

Linear Equations

Solve:

$$1) \quad x + 11 = 20$$

$$x = 20 - 11$$

$$x = 9$$

$$2) \quad x - 15 = 4$$

$$x = 4 + 15$$

$$x = 19$$

$$3) \quad 7x = 21$$

$$x = \frac{21}{7}$$

$$x = 3$$

$$4) \quad \frac{x}{2} = 8$$

$$x = 8 \times 2$$

$$x = 16$$

$$5) \quad 3x + 7 = 25$$

$$3x = 25 - 7$$

$$3x = 18$$

$$x = \frac{18}{3} \quad x = 6$$

$$6) \quad 8x - 5 = 11$$

$$8x = 11 + 5$$

$$8x = 16$$

$$x = \frac{16}{8} \quad x = 2$$

$$7) \quad 9x + 5 = 6x + 20$$

$$9x - 6x = 20 - 5$$

$$3x = 15$$

$$x = \frac{15}{3}$$

$$x = 5$$

$$8) \quad 4x - 9 = 21 - 6x$$

$$4x + 6x = 21 + 9$$

$$10x = 30$$

$$x = \frac{30}{10}$$

$$x = 3$$

$$9) \quad 3(x - 7) = 6$$

$$3x - 21 = 6$$

$$3x = 6 + 21$$

$$3x = 27$$

$$x = \frac{27}{3} \quad x = 9$$

$$10) \quad 4(2x + 3) = 52$$

$$8x + 12 = 52$$

$$8x = 52 - 12$$

$$8x = 40$$

$$x = \frac{40}{8} \quad x = 5$$