

Linear Equations

$$1) \quad x + 2 = 6$$

$$\underline{x + 2 - 2 = 6 - 2}$$

$$x = 6 - 2$$

$$x = 4$$

$$2) \quad y - 3 = 5$$

$$\underline{y - 3 + 3 = 5 + 3}$$

$$y = 5 + 3$$

$$y = 8$$

$$3) \quad 2x = 10$$

$$x = \frac{10}{2}$$

$$x = 5$$

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

$$x = 8 \times 4$$

$$x = 32$$

$$5) \quad 2x + 3 = 11$$

$$2x = 11 - 3$$

$$2x = 8$$

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

$$x = 4$$

Exercise

$$13) \quad 2x + 5 = 19$$

$$2x = 19 - 5$$

$$2x = 14$$

$$x = \frac{14}{2}$$

$$x = 7$$

$$14) \quad 3x - 2 = 16$$

$$3x = 16 + 2$$

$$3x = 18$$

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

$$x = 6$$

$$6) \quad 7x - 3 = 3x + 17$$

$$7x - 3x = +17 + 3$$

$$4x = 20$$

$$x = \frac{20}{4}$$

$$\underline{x = 5}$$

$$7) \quad 5x + 1 = 21 - 5x$$

$$5x + 5x = 21 - 1$$

$$10x = 20$$

$$x = \frac{20}{10}$$

$$\underline{x = 2}$$