

# EQUATIONS: General

 **8030** Watch video and complete examples

Lesson Notes and Examples:

**Example 1**

$$4x - 6 = 2x$$

**Example 2**

$$5x - 2 = 2x + 7$$

**Example 3**

$$6x + 2 - 7 = x - 6$$

**Example 4**

$$10x + 7 = 12 - 2x$$

Solve:

1)  $6 - 2x = 3x - 4$

2)  $2x - 3 = 6x + 17$

3)  $-5x - 2 = 6 - 4x$

4)  $3x + 6 = -2 - 5x$

 Mark work and do corrections. [1-4]

5)  $7 - 3x = 2x - 3$

6)  $-x + 5 = 2x + 7$

7)  $3x + 6 - 4 + x = -6$

8)  $9x + 3 - 10x = 10$

 Mark work and do corrections. [5-8]

9)  $4 - 2x = 2 - 3x$

10)  $-2x - 3x = 10$

11)  $4x + 8 = 5x + 6 - 2x - 4$

12)  $3x - 3 = 7x + 35 - 6$

 Mark work and do corrections. [9-12]

13)  $6x + 4 = 2 - 3x$

14)  $4x + 7 + 6x = -5x - 23$

15)  $6x + 8 - x - 11 = 8x$

16)  $4x + 10 + x = 2x + 4$


 Mark work and do corrections. [13-16]

17)  $3x - 4 = 6 + 2x$

18)  $3x - 12 = 4 - 3x$

19)  $15x - 6 = 8x + 22$

20)  $6x + 15 = 10x - 2 + 25$

 Mark work and do corrections. [17-20]