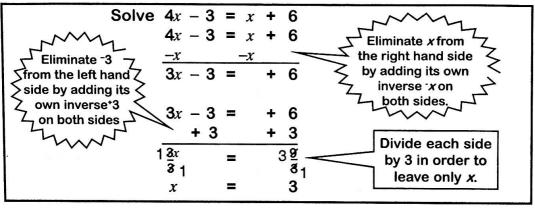
UNIT 14: ALGEBRA



More about equations.

Example 1 Method A



Method B

Solve:
$$4x - 3 = x + 6$$

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

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

$$4x = x + 9$$

$$4x - x = x - x + 9$$

$$3x = 9$$

$$1\frac{3x}{3} = \frac{9}{3}$$

$$x = 3$$
Note: For questions which have brackets, first remove the brackets.

Exercise 14:35 Solve:

1.
$$2x + 4 = x + 11$$
6. $7x - 4 = 3x + 8$ 2. $2x - 4 = x + 4$ 7. $9x - 7 = 5x + 13$ 3. $2x - 7 = x + 1$ 8. $6x - 8 = 4x + 4$

4.
$$3x + 5 = 2x + 7$$

5. $5x + 1 = 4x + 4$
9. $5x + 7 = x + 27$
10. $11x + 3 = x + 33$

Exercise 14:36 Solve:

1.
$$4x - 3 = 2x + 9$$

2. $5x + 4 = 3x - 8$
3. $2(x + 4) = x + 10$
4. $3(x - 2) = 2(x - 1)$
6. $7(x - 2) = x + 10$
7. $2(4x + 4) = (4x - 12)$
8. $6(x - 1) = 4(x - 12)$
9. $3(x - 1) = 2(x + 1)$

4.
$$3(x-2) = 2(x-1)$$
 9. $3(x-1) = 2(x+1)$
5. $5(x-2) = 2(x-2)$ 10. $6(x+4) = 3(x-2)$