Changing the Subject of a Formula

1)

Change the subject of the formula

$$r = 3p + 2t$$

to p.   **2**

2)

Change the subject of the formula

$$P = 2(L + B)$$

to L.   **2**

3) $P = R^2b - 5$

Change the subject of the formula to R.   **3**

4)

Change the subject of the formula $m = \dfrac{3x + 2y}{p}$ to x.   **3**

5)

Change the subject of the formula

$$\frac{x}{c} + a = b$$

to x.   **2**

6)

Change the subject of the formula

$$A = \frac{1}{2}h(a + b)$$

to h.   **2**

7)

Change the subject of the formula

$$K = \frac{m^2 n}{p}$$

to m.   **3**

8)

A formula used to calculate lighting efficiency is

$$E = \frac{I}{D^2}.$$

Change the subject of this formula to D.   **3**

9)

Change the subject of the formula

$$p = q + \sqrt{a}$$

to a.   **2**

10)

Change the subject of the formula $s = ut + \frac{1}{2}at^2$ to a.   **3**

11)

Change the subject of the formula $L = \sqrt{4kt - p}$ to k.   **3**

12)

Change the subject of the formula $F = \frac{t^2 + 4b}{c}$ to b.   **3**