

Rearranging Practice Answers

Let's Practice!

Rearrange the following equations for the (variable):

1. $A = B + C$ (B)

$$B = A - C$$

2. $R = A - X$ (X)

$$X = A - R$$

3. $M + L = n - R$ (M)

$$M = n - R - L$$

4. $y = x - 2$ (x)

$$x = y + 2$$

5. $a = b - 3$ (b)

$$b = a + 3$$

6. $y = 2x$ (x)

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

7. $y = 2/x$ (x)

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

8. $E = 0.5 mv^2$ (m)

$$m = \frac{2E}{v^2}$$

9. $y = mx$ (m)

$$m = \frac{y}{x}$$

10. $PV = nRT$ (P)

$$P = \frac{nRT}{V}$$

11. $a = 2b - 3$ (b)

$$b = \frac{a + 3}{2}$$

12. $p = 2q - 2r$ (q)

$$q = \frac{p + 2r}{2}$$

13. $9m = 3x - 6y$ (y)

$$y = \frac{3x - 9m}{6}$$

14. $v - wa - wc = 0$ (c)

$$c = \frac{v - wa}{w}$$

15. $(2m - n)/3 = m + n + 3$ (m)

$$m = -4n - 9$$