

Name : _____

Score : _____ Date : _____

Literal Equations Worksheet

Solve for the indicated variable.

1) $2(x + 4y) = 18$, for x

2) $\frac{2xy}{3} = 5z$, for x

3) $R = \frac{l + 3w}{2}$, for w

4) $h = vt - 16t^2$, for v

5) $C = \frac{5}{9}(F - 32)$, for F

6) $A = p(1 + rt)$, for t

7) $A = \frac{1}{2h(b + c)}$, for b

8) $A = \frac{x + y + z}{2}$, for y

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Answers

1) $2(x + 4y) = 18$, for x

$$x = 9 - 4y$$

2) $\frac{2xy}{3} = 5z$, for x

$$x = \frac{15z}{2y}$$

3) $R = \frac{l + 3w}{2}$, for w

$$w = \frac{2R - l}{3}$$

4) $h = vt - 16t^2$, for v

$$v = \frac{h + 16t^2}{t}$$

5) $C = \frac{5}{9}(F - 32)$, for F

$$F = \frac{9}{5}C + 32$$

6) $A = p(1 + rt)$, for t

$$t = \frac{A - p}{pr}$$

7) $A = \frac{1}{2h(b + c)}$, for b

$$b = \frac{1 - 2Ahc}{2Ah}$$

8) $A = \frac{x + y + z}{2}$, for y

$$y = 2A - x - z$$