

Literal Equations 1

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the formula for the specified variable.

1) $d = rt$ for r 1) _____
 A) $r = d - t$ B) $r = dt$ C) $r = \frac{d}{t}$ D) $r = \frac{t}{d}$

2) $I = Prt$ for t 2) _____
 A) $t = \frac{P - I}{Ir}$ B) $t = \frac{P - I}{1 + r}$ C) $t = P - Ir$ D) $t = \frac{I}{Pr}$

3) $A = \frac{1}{2}bh$ for b 3) _____
 A) $b = \frac{Ah}{2}$ B) $b = \frac{h}{2A}$ C) $b = \frac{2A}{h}$ D) $b = \frac{A}{2h}$

4) $V = \frac{1}{3}Bh$ for h 4) _____
 A) $h = \frac{B}{3V}$ B) $h = \frac{V}{3B}$ C) $h = \frac{3V}{B}$ D) $h = \frac{3B}{V}$

5) $P = a + b + c$ for c 5) _____
 A) $c = a + b - P$ B) $c = P - a - b$ C) $c = P + a - b$ D) $c = P + a + b$

6) $P = 2L + 2W$ for W 6) _____
 A) $W = P - L$ B) $W = \frac{P - L}{2}$ C) $W = \frac{P - 2L}{2}$ D) $W = d - 2L$

7) $A = P + PRT$ for T 7) _____
 A) $T = \frac{A - P}{PR}$ B) $T = \frac{PR}{A - P}$ C) $T = \frac{A}{R}$ D) $T = \frac{P - A}{PR}$

8) $A = \frac{1}{2}h(B + b)$ for b 8) _____
 A) $b = \frac{2A - Bh}{h}$ B) $b = \frac{2A + Bh}{h}$ C) $b = \frac{A - Bh}{h}$ D) $b = 2A - Bh$

9) $F = \frac{9}{5}C + 32$ for C 9) _____
 A) $C = \frac{9}{5}(F - 32)$ B) $C = \frac{5}{F - 32}$ C) $C = \frac{5}{9}(F - 32)$ D) $C = \frac{F - 32}{9}$

Answer Key

Testname: UNTITLED1

- 1) C
- 2) D
- 3) C
- 4) C
- 5) B
- 6) C
- 7) A
- 8) A
- 9) C