

## Literal Equation Practice

Name: \_\_\_\_\_

**Directions:** Solve the equations for the stated variable.

1.  $V = Bh$  for  $h$

2.  $P = RB$  for  $B$

3.  $C = 2\pi r$  for  $r$

4.  $e = mc^2$  for  $m$

5.  $V = LWH$  for  $H$

6.  $I = prt$  for  $r$

7.  $V = \pi r^2 h$  for  $h$

8.  $S = 2\pi r h$  for  $r$

9.  $V = \frac{1}{3}Bh$  for  $B$

10.  $V = \frac{1}{3}\pi r^2 h$  for  $h$

11.  $V = \frac{KT}{P}$  for  $T$

12.  $Ax + b = 0$  for  $x$

13.  $y = mx + b$  for  $x$

14.  $P = 2L + 2W$  for  $l$

15.  $Ax + by = c$  for  $y$

16.  $D = \frac{C-S}{n}$  for  $C$

17.  $D = \frac{R(100-x)}{100}$  for  $R$

18.  $R = C(1 + r)$  for  $r$

19.  $A = P(1 + rt)$  for  $t$

20.  $A = \frac{1}{2}h(B + b)$  for  $b$

21.  $L = a + d(n - 1)$  for  $n$

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

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

24.  $P = \frac{1.2W}{H^2}$  for  $W$

25.  $4x + 2y = 12$  for  $y$

26.  $3x - 6y = 18$  for  $y$

27.  $-5x + 2y = 16$  for  $y$