

## Literal Equations

### Strategy

Isolate the variable using inverse operations. Use the same strategies used in solving linear equations.

1.  $ax + b = c$ , for  $x$

2.  $ax + b = c$ , for  $b$

3.  $p = 2l + 2w$ , for  $w$

4.  $P = a + b + c$ , for  $c$

5.  $I = prt$ , for  $r$

6.  $A = \pi r^2 h$ , for  $h$

7.  $A = \frac{1}{2}bh$ , for  $h$

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

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

10.  $T = \frac{a}{2}(Q - R)M$ , for  $Q$

11.  $A = \frac{C + D + E}{3}$

12.  $R = \frac{a}{5} + 2b$ , for  $a$

13.  $B = N + 0.3T$ , for  $T$

14.  $D = b^2 - 4ac$ , for  $b$