

*Solve each formula for the specified variable.*

61.  $I = PRT$  for  $P$  (Simple interest)

62.  $V = LWH$  for  $L$  (Volume of a box)

63.  $P = 2L + 2W$  for  $W$  (Perimeter of a rectangle)

64.  $P = a + b + c$  for  $c$  (Perimeter of a triangle)

65.  $A = \frac{1}{2}h(b_1 + b_2)$  for  $h$  (Area of a trapezoid)

66.  $A = \frac{1}{2}h(b_1 + b_2)$  for  $b_2$  (Area of a trapezoid)
67.  $S = 2LW + 2WH + 2HL$  for  $H$  (Surface area of a rectangular box)
68.  $S = 2\pi rh + 2\pi r^2$  for  $h$  (Surface area of a cylinder)
69.  $V = \frac{1}{3}\pi r^2 h$  for  $h$  (Volume of a cone)
70.  $y = a(x - h)^2 + k$  for  $a$  (Mathematics)
71.  $S = \frac{n}{2}(a_1 + a_n)$  for  $n$  (Mathematics)
72.  $S = \frac{n}{2}[2a_1 + (n - 1)d]$  for  $a_1$  (Mathematics)
73.  $s = \frac{1}{2}gt^2$  for  $g$  (Distance traveled by a falling object)
74.  $A = \frac{24f}{B(p + 1)}$  for  $p$  (Approximate annual interest rate)