NAME

Module 3 Solving Linear Equations of One Variable
Lesson 6 Rewriting Formulas

Rewrite each equation for the given variable.

1. $C = kd$ for k
   $k = \frac{C}{d}$

2. $C = \pi d$ for d
   $d = \frac{C}{\pi}$

3. $K = 6s$ for s
   $s = \frac{k}{6}$

4. $M = 4\pi r$ for r
   $r = \frac{M}{4\pi}$

5. $A = \frac{1}{2}(x + y)h$ for h
   $h = \frac{2A}{(x + y)}$

6. $A = \frac{1}{2}(m + n)h$ for m
   $m = \frac{2A}{h} - n$

7. $A = \pi rh$ for r
   $r = \frac{A}{\pi h}$

8. $S = 2\pi rh$ for π
   $\pi = \frac{S}{2rh}$

9. $S = 2\pi rh$ for r
   $r = \frac{S}{2\pi h}$

10. $S = 2\pi rh$ for h
    $h = \frac{S}{2\pi r}$

11. $V = lwh$ for l
    $l = \frac{V}{wh}$

12. $V = lwh$ for w
    $w = \frac{V}{lh}$

13. $V = lwh$ for h
    $h = \frac{V}{lw}$

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

15. $V = s + 2$ for s
    $s = V - 2$

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

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

18. $C = \frac{1}{2}ap$ for a
    $a = \frac{2C}{p}$

19. $Q = \frac{3}{2}ap + 9$ for p
    $p = \frac{2}{3a}(Q - 9)$

20. $M = \frac{a}{c}$ for a
    $a = Mc$