

**Algebra I Worksheet #4 Unit 4 page 1** \_\_\_\_\_

Solve each equation for the indicated variable.

1.  $ax - b = 5$  solve for  $x$

2.  $cx + 3 = d$  solve for  $x$

3.  $5x + a = bx - c$  solve for  $x$

4.  $a(bx - c) = 4(x - d)$  solve for  $x$

5.  $P = 2L + 2W$  solve for  $L$

6.  $A = P + Prt$  solve for  $P$

7.  $K = 3 - 4T$  solve for  $T$

8.  $a = mv + mz$  solve for  $m$

9.  $PQ = F + VQ$  solve for  $V$

10.  $y = m(x - a) + c$  solve for  $x$

11.  $I = Prt$  solve for  $r$

12.  $S = 2\pi rh + 2\pi r^2$  solve for  $h$

## Algebra I Worksheet #4 Unit 4 page 2

Solve each of the following equations for the indicated variable.

13.  $R(a + b) = ab$  solve for  $a$

14.  $x(y + z) - 2(y - z) = 1$  solve for  $y$

15.  $y = ax^2 + bx + c$  solve for  $b$

16.  $ax + 3y = 5x + b$  solve for  $x$

17.  $K = A - (N - 1)D$  solve for  $N$

18.  $A - abr = bc^2$  solve for  $r$

19.  $2(kx + 4d) = 3(tx - c)$  solve for  $x$

20.  $A = (b + c)h$  solve for  $c$