Name: _____   Date: _____

Practice: Solve Simple Equations

1. Solve by inspection.
   a) $x + 3 = 12$
   b) $a + 4 = 7$
   c) $y + 9 = 11$
   d) $b + 5 = 14$
   e) $m + 6 = 7$
   f) $p - 4 = 2$

2. Use the balance method to solve.
   a) $h + 1 = 7$
   b) $x + 8 = 12$
   c) $m + 7 = 10$
   d) $p + 5 = 6$
   e) $r - 9 = 2$
   f) $t - 3 = 5$

3. Solve. Use opposite operations.
   a) $d - 8 = 9$
   b) $k + 2 = 5$
   c) $c + 7 = 12$
   d) $s - 4 = 6$
   e) $g - 5 = 10$
   f) $b - 1 = 2$

4. Find each root.
   a) $4w = 32$
   b) $5y = 35$
   c) $-2x = 18$
   d) $-3z = -36$

5. Find each root.
   a) $\dfrac{k}{4} = 3$
   b) $\dfrac{u}{2} = 8$
   c) $\dfrac{r}{-5} = -2$
   d) $\dfrac{w}{-8} = 2$

6. Solve.
   a) $q - 1 = 8$
   b) $\dfrac{m}{-3} = 11$
   c) $n + 9 = 15$
   d) $v - 2 = 4$
   e) $j + 7 = 18$
   f) $y - 6 = 8$
   g) $-4x = 36$
   h) $d - 5 = 4$

7. Solve and check.
   a) $3x + 4 = 10$
   b) $5k - 3 = 17$
   c) $-b + 8 = 3$
   d) $2g - 1 = 11$
   e) $-3s + 2 = -13$
   f) $4r + 5 = 9$

8. Solve.
   a) $-3k = 18$
   b) $b - 3 = 12$
   c) $-c = 3$
   d) $6w - 4 = -22$
   e) $-2g + 3 = -4$
   f) $5s + 3 = 2$
   g) $-\dfrac{x}{4} = 6$
   h) $3d - 5 = -1$