Keystone Algebra 1

Name_____

Multi-Step Equations Practice

Date_____ Period_____

Solve each equation.

1) $-4 = 1 + 7n + 2$

2) $a + 8a = -18$

3) $1 - 4k - 2 = 11 - 8k$

4) $x + 2 = -6 - 4x + 4x$

5) $94 = 6(4x + 4) - 2$

6) $-8(x + 5) = -88$

7) $7(m - 1) = -7m - 21$

8) $-35 + 4p = 3p - 4(-p + 8)$

9) $8(-8 - 3x) - 7(-x - 8) = 9$

10) $0 = 2(n + 5) - 6(4n - 2)$

11) $-2(-5b + 3) = 2 - (8 - 5b)$

12) $6(3r - 5) = 5(2r - 6)$

Keystone Algebra 1

Name_____

Multi-Step Equations Practice

Date_____ Period_____

Solve each equation.

1) $-4 = 1 + 7n + 2$

   $\{-1\}$

2) $a + 8a = -18$

   $\{-2\}$

3) $1 - 4k - 2 = 11 - 8k$

   $\{3\}$

4) $x + 2 = -6 - 4x + 4x$

   $\{-8\}$

5) $94 = 6(4x + 4) - 2$

   $\{3\}$

6) $-8(x + 5) = -88$

   $\{6\}$

7) $7(m - 1) = -7m - 21$

   $\{-1\}$

8) $-35 + 4p = 3p - 4(-p + 8)$

   $\{-1\}$

9) $8(-8 - 3x) - 7(-x - 8) = 9$

   $\{-1\}$

10) $0 = 2(n + 5) - 6(4n - 2)$

   $\{1\}$

11) $-2(-5b + 3) = 2 - (8 - 5b)$

   $\{0\}$

12) $6(3r - 5) = 5(2r - 6)$

   $\{0\}$