

Name:

Date:

Period:

Solve the following Quadratic Equations. Remember to transform into standard form first.

Note: #s 1 – 5 are already factored.

1.  $(x + 2)(x - 8) = 0$

2.  $(x - 6)(x - 5) = 0$

3.  $(x + 7)(x + 9) = 0$

4.  $(x)(x + 11) = 0$

5.  $(3x + 2)(4x - 1) = 0$

6.  $2x^2 = 3x$

7.  $x(x + 2) = 25 + 2x$

8.  $x^2 - 49 = 0$

9.  $3x^2 - 12 = 0$

10.  $s^2 - s = 0$

11.  $x^2 + 42 = 13x$

12.  $3x^2 - 24 = 2x^2 + 40$

13.  $x^2 - 5x + 6 = 0$

14.  $x^2 - 3x = 10$

15.  $x^2 + 10x = -16$

16.  $x^2 + 2x = 15$

17.  $8x^2 - 6x^2 = 54$

18.  $-3x^2 = 18x + 27$

19.  $x^2 + 36 = 12x$

20.  $\frac{9n - n^2}{2} = 10$