

**Learning Activity – Section 3.4 – Solving Quadratic Equations by Factoring**

Names: \_\_\_\_\_  
\_\_\_\_\_

Solve each quadratic equation by factoring, and write the solution set.

1.  $x^2 + 7x + 12 = 0$

2.  $3x^2 - 4 = -11x$

3.  $121x^2 - 9 = 0$

4.  $5x^2 = 25x$

5.  $2x^2 + x = 15$

6.  $100x^2 = 1$

7.  $24x^2 - 6x = 0$

8.  $x^2 - 4x = 32$