

**Section 5.3 Review Worksheet**

Name \_\_\_\_\_

**Factor.**

1.  $x^2 - 3x - 4$

2.  $2x^2 + 9x - 5$

3.  $6x^2 - x - 40$

4.  $12x^2 - 28x - 5$

5.  $x^2 - 64$

6.  $9x^2 - 24x + 16$

7.  $3x^2 - 6x - 24$

8.  $72x^2 + 156x - 96$

9.  $16x^4 - 81$

**Solve.**

10.  $2x^2 + 4x - 6 = 0$

11.  $9x = 5 - 2x^2$

12.  $4y^2 + y - 1 = 2$

13.  $2x^2 + 3x = 20$

14.  $9x^2 - 30 = -3x$

15.  $45x^2 - 120x + 80 = 0$