

**Precalculus Algebra Review Worksheet #8 page 1** \_\_\_\_\_

**Find all real number solutions of each of the following equations. If the solutions are irrational, then express them rounded to three significant figures.**

1.  $x^2 = 4x$

2.  $x^2 + 3x = 10$

3.  $25x^2 + 30x + 9 = 0$

4.  $3x^2 = 8x + 6$

5.  $x^2 = 25$

6.  $2x^2 = x + 6$

7.  $3x(7x + 4) = x + 2$

8.  $x^2 + 1 = 0$

9.  $x^2 + 6x = 0$

10.  $x^2 = 4x + 5$

## Precalculus Algebra Review Worksheet #8 page 2

Find all real number solutions of each of the following equations. If the solutions are irrational, then express them rounded to three significant figures.

11.  $2x^2 + 3x = 2$

12.  $x^2 = 5x - 10$

13.  $3x^2 - 7 = 0$

14.  $2x^2 + 3x - 1 = 0$

15.  $6x^2 = x + 1$

16.  $3x^2 = 8x - 4$

17.  $20x^2 - 15x = 0$

18.  $x^2 - 7x = 3$