

**Precalculus Algebra Review Worksheet #10 page 1** \_\_\_\_\_

**Solve each of the following equations. Show your work neatly organized. (Represent irrational solutions rounded to 3 significant digits.)**

1.  $|2x + 3| = 7$

2.  $|5x - 8| = 3$

3.  $|1 - 3x| = 10$

4.  $|3x - 1| = 1$

5.  $|2x - 5| = 7$

6.  $|x + 3| = 2$

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Solve each of the following equations. Show your work neatly organized. (Represent irrational solutions rounded to 3 significant digits.)

7.  $|6x + 3| = 0$

8.  $|3x - 5| = 0$

9.  $|2x - 7| = -7$

10.  $|x^2 - 5x| = 6$

11.  $|x^2 + 3x| = 4$

12.  $|x^2 - 8x| = 9$