

## Precalculus Algebra Review Worksheet #11 Selected Solutions

Solve each of the following inequalities. Represent the solution set as an interval or the union of intervals.

3.  $|7 - 2x| \leq 1$

$$-1 \leq 7 - 2x \leq 1$$

$$-8 \leq -2x \leq -6$$

$$4 \geq x \geq 3$$

$$3 \leq x \leq 4$$

$$S = [3, 4]$$

6.  $|3x - 5| > 5$

$$3x - 5 < -5 \text{ or } 3x - 5 > 5$$

$$3x < 0 \quad 3x > 10$$

$$x < 0 \text{ or } x > 10/3$$

$$S = (-\infty, 0) \cup (10/3, \infty)$$