

## Algebra 2: Homework 9

In 1 – 5, factor completely.

1.  $5x^2 - 45$

2.  $y^2 - 13y + 36$

3.  $3x^2 + 10x + 8$

4.  $4a^2 - 36$

5.  $1 - x^4$

6. Solve and check:  $|4x - 3| - 8 = -3$

In 7 – 8, state the solution set and graph the solution set on a number line.

7.  $|3 - 2y| - 5 < 0$

8.  $|2y| \geq 36$