

Student ID		

Last Name: _____

First Name: _____

Show all your work.
If necessary, use extra sheets.

When appropriate,
BOX your final answer.

M\$5
Homework

8

1. Factor completely: $5x^2 - 45$

2. Factor completely: $y^2 - 13y + 36$

3. Factor completely: $3x^2 + 10x + 8$

4. Factor completely: $4a^2 - 36$

5. Factor completely: $1 - x^4$

6. Solve and check.

$$|4x - 3| - 8 = -3$$

7. State the solution set and graph the solution set on a number line.

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

8. State the solution set and graph the solution set on a number line.

$$|2y| \geq 36$$