

Student ID		

Last Name: _____

First Name: _____

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

When appropriate,
BOX your final answer.

M\$5
Homework

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1. Simplify: $\sqrt{136}$	2. Simplify: $\sqrt{144a^4}$	3. Simplify: $\sqrt{18x^6y^{10}}$
4. Simplify: $-5\sqrt{49x^3z^4}$	5. Simplify: $\sqrt{\frac{8}{49}}$	6. Simplify: $\sqrt{\frac{9x^4}{x^6b^2}}$
7. Reduce to lowest terms: $\frac{6x^2 - 5x - 4}{8 - 2x - 3x^2}$		
8. The length of a rectangle is $\frac{2x+4}{x^2-9}$ and its width is $\frac{3}{x-3}$. Express the perimeter of the rectangle as a single fraction in simplest form.		
9. Find all values of x for which $x + 3 - 2x = 4$.		
10. Solve for x and express your answer in simplest radical form: $\frac{4}{x} - \frac{3}{x+1} = 7$		