

Student ID		

Last Name: \_\_\_\_\_

First Name: \_\_\_\_\_

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

When appropriate,  
**BOX** your final answer.

M\$5  
Homework

# 17

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: $\frac{4}{x} - \frac{3}{x+1} = 7$		