**LT #4: Rational Exponents**

Simplify the expression without the use of a calculator. Write answers  
with positive exponents only. (2 pts each)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 2. 3.

/6

**LT #5: Solving Radical Equations**

Solve the following equations. Show your work when you check for  
extraneous solutions. (4 pts each)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 2.

Check: Check:

3.

/12

Check: