

**MATH 099**  
Review for Test #4  
*Sections 5.6, 6.1-6.6, 7.1*

Section 5.6:

Solving Quadratic Equations by Factoring  
Standard Form  
Word Problems

Section 6.1:

Reducing Rational Expressions

Section 6.2:

Multiplying & Dividing Rational Expressions

Section 6.3:

Finding the Least Common Denominator

Section 6.4:

Adding & Subtracting Rational Expressions

Section 6.5:

Complex Fractions

Section 6.6:

Solving Equations containing Rational Expressions

Section 7.1:

Simplifying Radicals  
Square Roots  
Cube Roots  
Fourth Roots

**Review Problems:**

*Section 5.6*

Pg. 276: # 85-98

Pg. 277: # 20-23

Study word problems  
from homework

*Section 6.1*

Pg. 287: # 33-40,

47-52, 69-95

*Section 6.2*

Pg. 294: #17-22,

33-36, 49-66

*Section 6.3*

Pg. 301: # 31-40

Pg. 302: # 51-60

*Section 6.4*

Pg. 308: # 33-66

*Section 6.5*

Pg. 314: # 3-31

*Section 6.6*

Pg. 319: # 5-12, 21-57

*Section 7.1*

Pg. 332: # 7-29, 47-73

Pg. 342: # 1-16