

## Assignment Page for Mr. Jones

<b>Week of</b>	<b>Period 3</b>	<b>Period 2</b>	<b>Period 4</b>	<b>Period 5</b>	<b>Period 7</b>
<b>5/17</b>	<b>Algebra I</b>	<b>Adv Pre- Alg</b>	<b>Adv-Pre- Alg</b>	<b>Pre-Alg</b>	<b>Pre-Alg</b>
<b>Fri 5/14</b>	Study for Final	Project	Project	Project	Project
<b>Mon 5/17</b>	Study for Final	Study for Final	Study for Final	Study for Final	Study for Final
<b>Tue 5/18</b>	Study for Final	Study for Final	Study for Final	Study for Final	Study for Final
<b>Wed 5/19</b>	Study for Final	Study for Final	Study for Final	Study for Final	Study for Final
<b>Thu 5/20</b>	Study for Final	Study for Final	Study for Final	Study for Final	Study for Final
<b>Fri 5/21</b>	Study for Final	Study for Final	Study for Final	Study for Final	Study for Final

### Comments/Reminders:

**Period 3 –**

**Period 2 –**

**Period 4 –**

**Period 5 –**

**Period 7 –**

## Periods 5 and 7, Enriched Pre-Algebra exam review

# ENRICHED PRE-ALGEBRA EXAM REVIEW

Ok guys—welcome to exam time! Everything we have learned this semester is fair game for the exam plus all the skills we learned in the fall, so here's a list of topics we have covered by section:

### VI. Area

- 10-1 Area of Parallelograms
- 10-2 Area of Triangles and Trapezoids
- 10-3 Area of Circles
- 10-4 Space Figures
- 10-5 Surface Area: Prisms and Cylinders
- 10-6 Surface Area: Pyramids, Cones, and Spheres

### VII. Factors and Exponents

- 4-1 Divisibility and Factors
- 4-2 Exponents
- 4-3 Prime Factorization and Greatest Common Factor
- 4-4 Simplifying Fractions With Variables
- 4-6 Rational Numbers
- 4-7 Exponents and Multiplication
- 4-8 Exponents and Division
- 4-9 Scientific Notation

### VIII. Linear Functions and Graphing

- 8-1 Relations and Functions
- 8-2 Equations with Two Variables
- 8-3 Slope-Intercept
- 8-4 Linear Functions
- 8-5 Scatter Plots
- 8-6 Solve by Graphing
- 8-7 Solving Systems of Linear Equations



### IX. Ratios, Proportions, and Percents

- 6-1 Ratios and Unit Rates
- 6-2 Proportions
- 6-3 Similar Figures
- 6-3 Scale Drawings
- 6-4 Probability
- 6-5 Fractions, Decimals, and Percents
- 6-6 Proportions and Percents
- 6-7 Percents and Equations
- 6-8 Percent of Change
- 6-9 Markup and Discount

#### X. Nonlinear Functions and Polynomials

- 13-1 Patterns and Sequences
- 13-2 Graphing Nonlinear Functions
- 13-3 Exponential Growth and Decay
- 13-4 Polynomials
- 13-5 Adding and Subtracting Polynomials
- 13-6 Multiplying by a Polynomial by a Monomial
- 13-7 Multiplying Binomials

### STUDY TIPS:

1. Follow the exam study tips given to you in class!
2. Read through your notes, paying careful attention to rules and properties.
3. Re-work problems from old quizzes and tests—ESPECIALLY problems you missed or assessments you didn't do well on.
4. Tutorial for the exam will be held on Monday, May 24<sup>th</sup> from 10:15-11:00. Come to tutorial with specific questions! You should have begun studying BEFORE tutorial so you know what you need to ask about!

## Periods 2 and 4, Advanced Pre-Algebra exam review

# ADVANCED PRE-ALGEBRA EXAM REVIEW

Ok guys—welcome to exam time! Everything we have learned this semester is fair game for the exam plus all the skills that we learned in the fall, so here's a list of topics we have covered by section:

### VII. Area

- 10-1 Area of Parallelograms
- 10-2 Area of Triangles and Trapezoids
- 10-3 Area of Circles
- 10-4 Space Figures
- 10-5 Surface Area: Prisms and Cylinders
- 10-6 Surface Area: Pyramids, Cones, and Spheres
- 10-7 Volume: Prisms and Cylinders
- 10-9 Volume: Pyramids, Cones, and Spheres

### VII. Factors and Exponents

- 4-1 Divisibility and Factors
- 4-2 Exponents
- 4-3 Prime Factorization and Greatest Common Factor
- 4-4 Simplifying Fractions With Variables
- 4-6 Rational Numbers
- 4-7 Exponents and Multiplication
- 4-8 Exponents and Division
- 4-9 Scientific Notation

### VIII. Linear Functions and Graphing

- 8-1 Relations and Functions
- 8-2 Equations with Two Variables
- 8-3 Slope-Intercept
- 8-4 Linear Functions
- 8-5 Scatter Plots
- 8-6 Solve by Graphing
- 8-7 Solving Systems of Linear Equations
- 8-8 Graphing Linear Inequalities



## IX. Nonlinear Functions and Polynomials

- 13-1 Patterns and Sequences
- 13-2 Graphing Nonlinear Functions
- 13-3 Exponential Growth and Decay
- 13-4 Polynomials
- 13-5 Adding and Subtracting Polynomials
- 13-6 Multiplying by a Polynomial by a Monomial
- 13-7 Multiplying Binomials

## X. Right Triangles in Algebra

- 11-1 Square Roots and Irrational Numbers
- 11-2 Pythagorean Theorem
- 11-3 Distance and Midpoint Formulas
- 11-4 Special Right Triangles
- 11-5 Sine, Cosine, and Tangent Ratios
- 11-6 Angles of Elevation and Depression

## STUDY TIPS:

5. Follow the exam study tips given to you in class!
6. Read through your notes, paying careful attention to rules and properties. The notes from this semester are still on the class website if you need them!
7. Re-work problems from old quizzes and tests—ESPECIALLY problems you missed or assessments you didn't do well on.
8. Tutorial for the exam will be held on Monday, May 24<sup>th</sup> from 10:15 – 11:00. Come to tutorial with specific questions! You should have begun studying BEFORE tutorial so you know what you need to ask about!

## Period 3, Algebra I exam review

Name \_\_\_\_\_ Spring 2010 Exam Review Algebra I

Things you need to use to review for Exam:

All Chapter Tests      All Check Up Quizzes      Notes

The following information from the chapters will be covered on the Exam:

### **Chapter 8 (sections 8-1 to 8-6)**

Zero and Negative Exponents  
Scientific Notation  
Multiplication Properties of Exponents  
Raising a Power to a Power  
Division Properties of Exponents  
Geometric Sequences  
Exponential Functions  
Exponential Growth and Decay

### **Chapter 11 (sections 11-1 to 11-6)**

Simplifying Radicals  
The Pythagorean Theorem  
The Distance and Midpoint Formulas  
Operations with Radical Expressions  
Solving Radical Equations  
Graphing Square Root Functions  
Trigonometric Ratios  
Angles of Elevation and Depression

### **Chapter 9 (sections 9-1 to 9-7)**

Adding and Subtracting Polynomials  
Multiplying and Factoring (GCF)  
Multiplying Binomials  
Multiplying Special Cases  
Factoring Trinomials ( $x^2 + bx + c$ )  
Factoring Trinomials ( $ax^2 + bx + c$ )  
Factoring Special Cases

### **Chapter 12 (sections 12-1 to 12-6)**

Graphing Rational Functions  
Simplifying Rational Expressions  
Multiplying and Dividing  
    Rational Expressions  
Dividing Polynomials  
Adding and Subtracting  
    Rational Expressions  
Solving Rational Equations

### **Chapter 10 (sections 10-1 to 10-7)**

Graphs of Quadratics  
Quadratic Functions  
Solving Quadratic Equations using  
    Graphing and Square Roots  
Factoring to Solve Quadratic Equations  
Completing the Square to Solve  
    Quadratic Equations  
Using the Quadratic Formula to Solve  
    Quadratic Equations