

## Practice for Accuplacer Elementary Algebra

### 1. Foil Method

❖ Example  $(9x + 2y)^2$

- When the answer is given, find the factor of the problem
- State which is not a factor of the problem
- Example –  $m^3 + 2m^2$

Choose the correct answer:  $m / m^2 / m^3 / m+2$

### 2. Using the geometric formula for a circle ( $A = \pi r^2$ ), solve using the foil method

### 3. Using exponents to solve a problem

❖ Example:  $(-3)^3$

### 4. Power of exponents

### 5. Coordinate plane (graphing ordered pairs)

### 6. Solving equations; 2 Step equations and Inequalities

### 7. System of equations; Find the solution

### 8. Replacing variable with whole numbers to solve expressions

### 9. Quadratic equations

### 10. Given dimensions of a geometric figure using expressions, find the area of a figure

### 11. Write and solve proportions

### 12. Radicals

❖ Example:  $(3\sqrt{2y})^2$