Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

# Pre-AP Lesson 1.01

# **Expressions, Equations, & Inequalities**

# **Homework**

### Solve the following equations and inequalities.

###  Example 1 Example 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Steps |  |  | Steps |  |
|  |  |  |  |  |

###  Example 3 Example 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Steps |  |  | Steps |  |
|  |  |  |  |  |

\*\*\*\*Special Note: Solve inequalities  almost the same as equations. The only difference is that when you **multiply or divide by a negative** number you need to remember to **flip the inequality sign**.

#### Expressions - simplify each expression

####

|  |  |  |  |
| --- | --- | --- | --- |
| 5.  | 6.  | 7.  | 8.  |
| 9.  | 10.  |  |  |

#### Equations - solve single variable equations for x and the 2 variable equations for y

|  |  |  |  |
| --- | --- | --- | --- |
| 11.  | 12.  | 13.  | 14.  |
| 15.  | 16.  | 17.  | 18.  |

#### Inequalities - solve single variable inequalities for x and the 2 variable inequalities for y

####

|  |  |  |  |
| --- | --- | --- | --- |
| 19.  | 20.  | 21.  | 22.  |
| 23.  | 24.  | 25.  | 26.  |