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. |