

## Systems of Linear Inequalities

### Graphing Linear Inequalities

The solution set to a two-variable \_\_\_\_\_ may be represented graphically on a coordinate plane using a \_\_\_\_\_ and shading.

#### Types of Boundary Lines

Solid Line	Dashed Line
$\leq$ or $\geq$	$<$ or $>$
The points along the line are _____ in the solution set.	The points along the line are _____ in the solution set.

#### Steps to Graph Linear Inequalities

Step 1:

Step 2:

**Practice:** Complete the practice problem(s) in the space below. Be sure to check your work.

### Writing a Two-Variable Linear Inequality from a Graph

#### Steps to Write a Two-Variable Inequality from a Graph

Step 1:

Step 2:

Step 3:

**Practice:** Complete the practice problem(s) in the space below. Be sure to check your work.

### Writing Two-Variable Linear Inequalities from a Description

Similar to one-variable inequalities, \_\_\_\_\_ linear inequalities are written based on key words in the \_\_\_\_\_.

**Practice:** Complete the practice problem(s) in the space below. Be sure to check your work.

### Systems of Inequalities

#### Steps to Graph a System of Linear Inequalities

Step 1:

Step 2:

**Practice:** Complete the practice problem(s) in the space below. Be sure to check your work.

### Systems Containing Horizontal and Vertical Inequalities

**Practice:** Complete the practice problem(s) in the space below. Be sure to check your work.

**Please use additional paper as needed to complete the Self-Check. You may also choose to print the lesson's Sum It Up page.**