Unit 7 Objective 1 Remediation

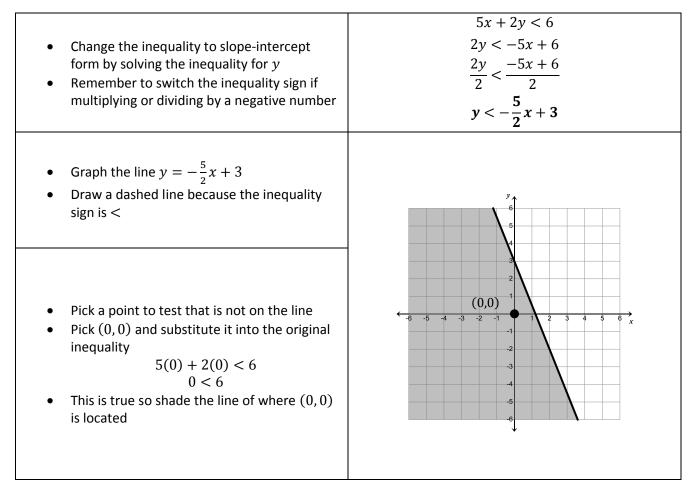
Graphing a Linear Inequality in Two Variables

Steps to Graph an Inequality

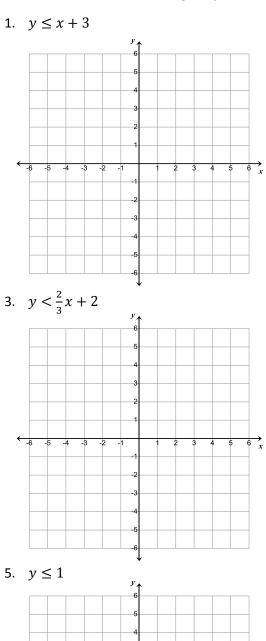
- ✤ Write the inequality in slope-intercept form (get y by itself)
- ***** Graph the line y = mx + b as a solid or dashed line
 - **Solid** if the inequality symbol is \leq or \geq
 - \circ Dashed if the inequality symbol is < or >
- ✤ Pick a point to test that is NOT on the line
 - If the point creates a **true** statement, shade the side of the line where the point is located
 - If the point creates a **false** statement, shade the OTHER side of the line where the point is not

Example

Graph the solution of the inequality 5x + 2y < 6.

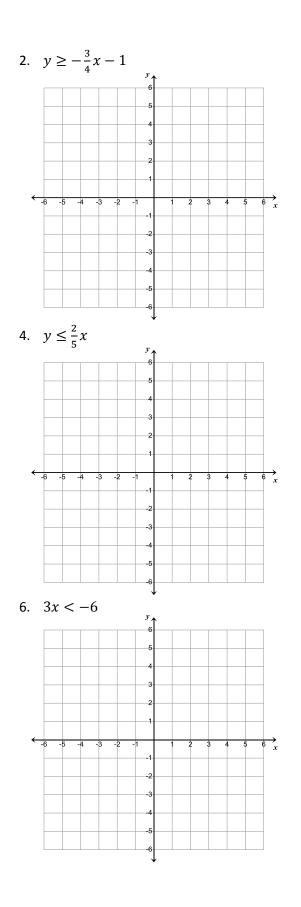


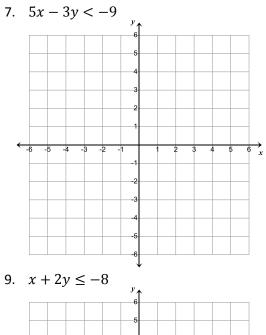
Graph the solution of the following inequalities.

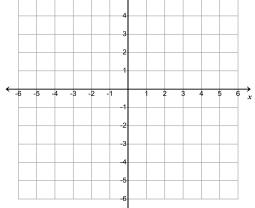


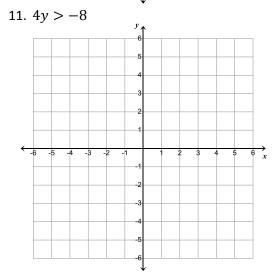
-5

 $\overrightarrow{6}_{x}$









8. 3x + 2y > 8

