**Chapter 12: Modeling with Linear Systems**

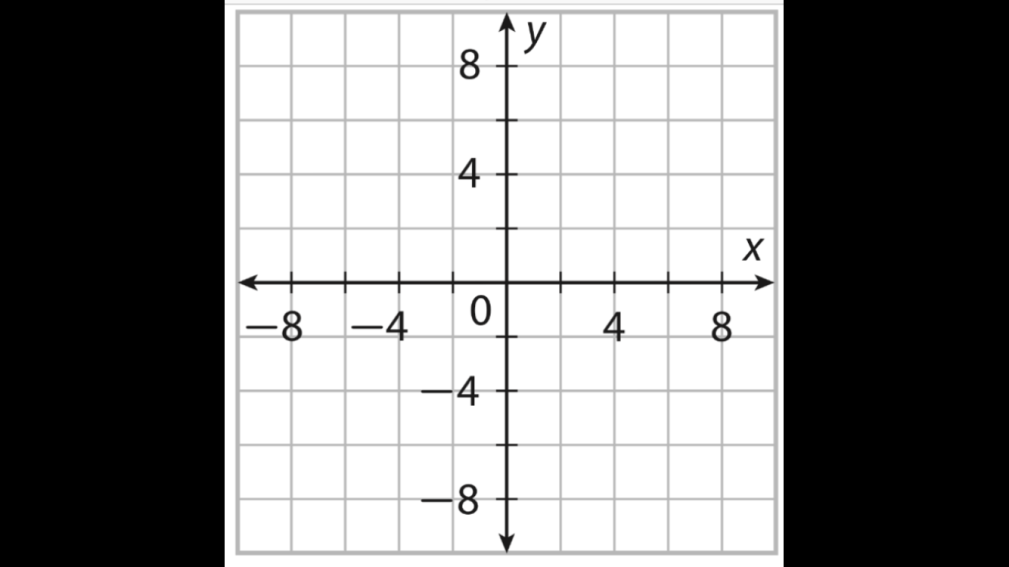
**Lesson 12.2: Graphing Systems of Linear Inequalities**

A **system of linear inequalities** consists of two or more linear inequalities that have the same variables. The **solutions of a system of linear inequalities** are all the ordered pairs that make all the inequalities in the system true.

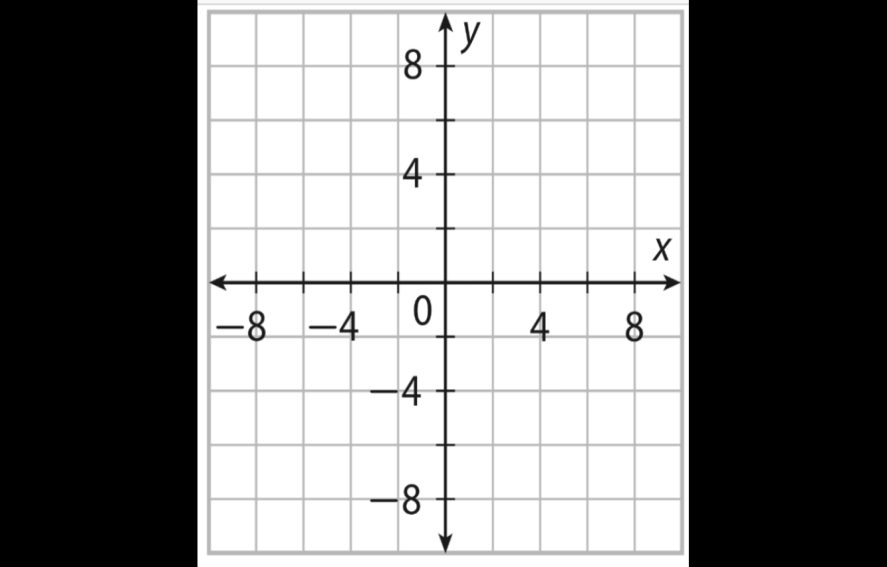
**Example 1:**

Step 1: Find the x and y intercepts for each of the following equations.

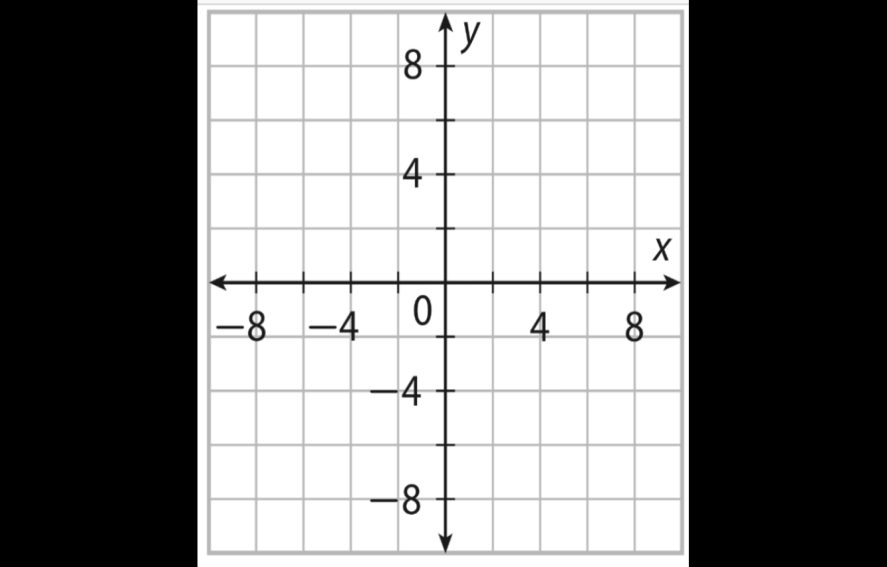
Step 2: Graph and shape in the appropriate regions to fullfill each inequaltiey

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**Example 2:**

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**Example 3:**

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