
Writing Inequalities to Describe Relationships (Symbolic → Graph)

Name:

Date:

Vocabulary Review:

In your own words, define each of the following vocabulary terms.

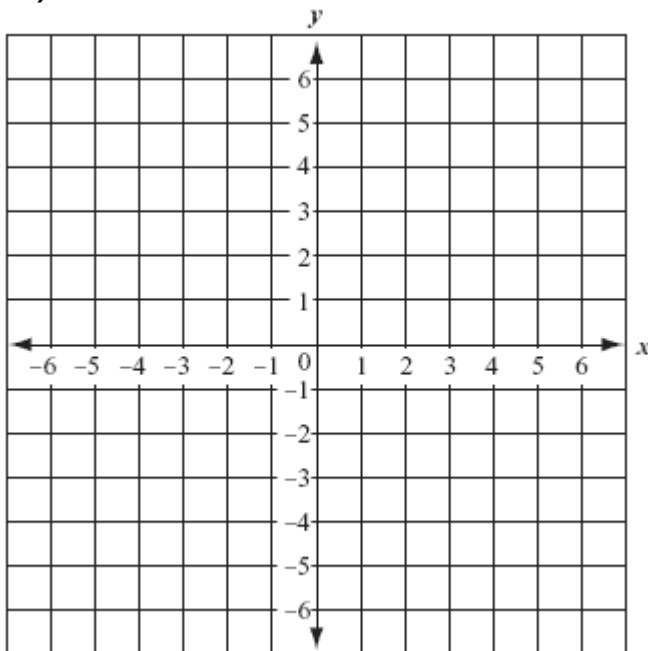
- Inequality
- Boundary Line
- Dashed/Dotted
- Solid
- Standard Form
- Slope-Intercept Form

Apply New Learning:

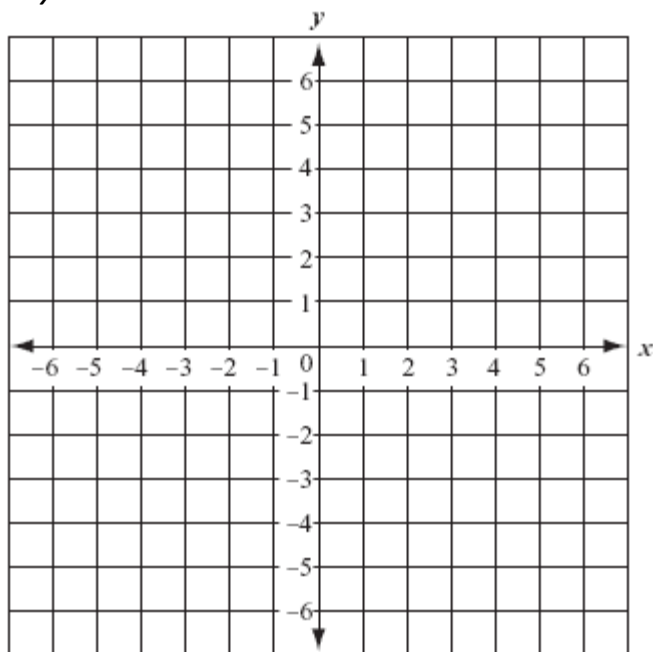
1. Summarize how to create the graph of a two variable inequality given its equation. Make sure to include proper vocabulary including boundary line, inequality, dashed, and solid. Include all possible situations.

For questions 2–6, create a graph of each linear inequality. If necessary, convert inequalities from standard form to slope-intercept form.

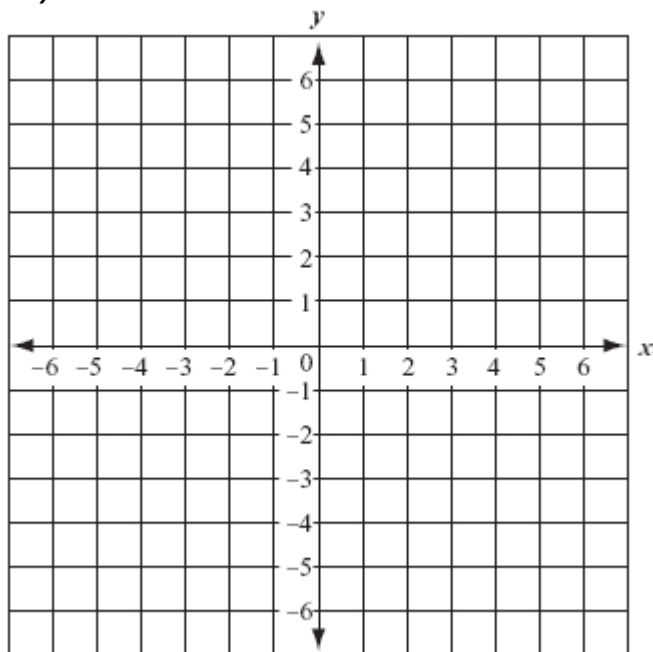
2. $y \geq -3x + 4$



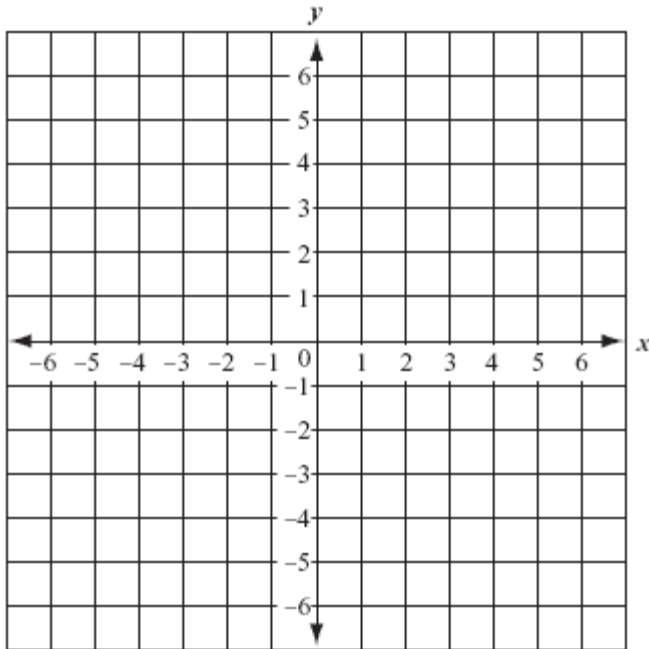
3. $y > 2$



4. $y > 2x - 5$



5. $y \leq \frac{1}{2}x + 1$



6. $3x + 2y \geq 5$

