3 Linear Systems and Matrices

TEXAS

Before

In previous chapters, you learned the following skills, which you'll use in Chapter 3: graphing equations, solving equations, and graphing inequalities.

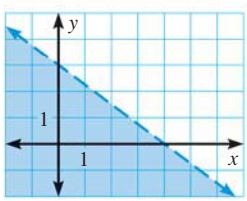
Prerequisite Skills

VOCABULARY CHECK

Copy and complete the statement.

1. The **linear inequality** that represents the graph shown at the right is ___?___.

2. The **graph of a linear inequality** in two variables is the set of all points in a coordinate plane that are ___?___ of the inequality.



SKILLS CHECK

Graph the equation. *(Review p. 89 for 3.1.)*

3. $x + y = 4$ **4.** $y = 3x - 3$ **5.** $-2x + 3y = -12$

Solve the equation. *(Review p. 18 for 3.2, 3.4.)*

6. $2x - 12 = 16$ **7.** $-3x - 7 = 12$ **8.** $-2x + 5 = 2x - 5$

Graph the inequality in a coordinate plane. *(Review p. 132 for 3.3.)*

9. $y \geq -x + 2$ **10.** $x + 4y < -16$ **11.** $3x + 5y > -5$

TEXAS @HomeTutor Prerequisite skills practice at classzone.com