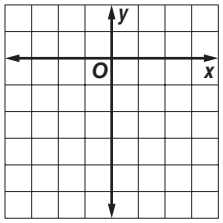
NAME _____ DATE _____ PERIOD _____

2-8 Practice

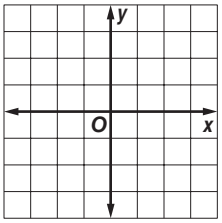
Graphing Linear and Absolute Value Inequalities

Graph each inequality.

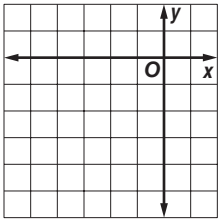
1. $y \leq -3$



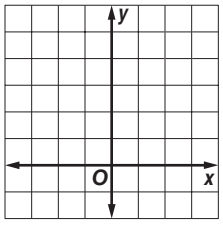
2. $x > 2$



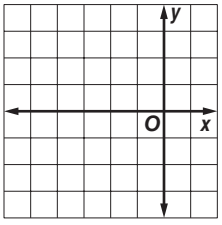
3. $x + y \leq -4$



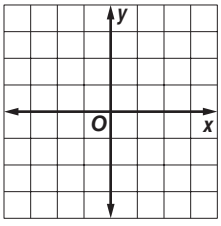
4. $y < -3x + 5$



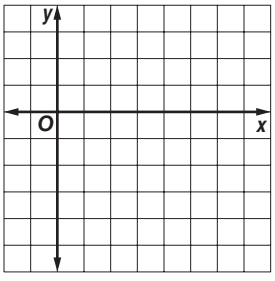
5. $y < \frac{1}{2}x + 3$



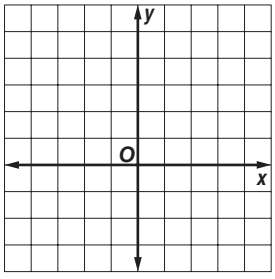
6. $y - 1 \geq -x$



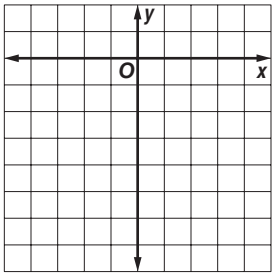
7. $x - 3y \leq 6$



8. $y > |x| - 1$



9. $y > -3|x + 1| - 2$



10. COMPUTERS A school system is buying new computers. They will buy desktop computers costing \$1000 per unit, and notebook computers costing \$1200 per unit. The total cost of the computers cannot exceed \$80,000.

a. Write an inequality that describes this situation.

b. Graph the inequality.

c. If the school wants to buy 50 of the desktop computers and 25 of the notebook computers, will they have enough money?