4-4 Reteach to Build Understanding

Linear Inequalities in Two Variables

1. Match each inequality with its graph.

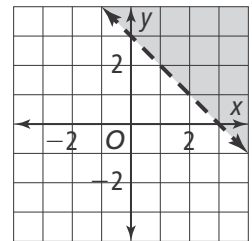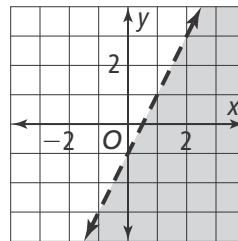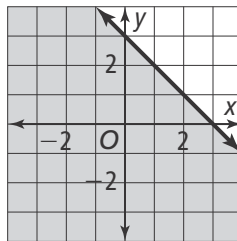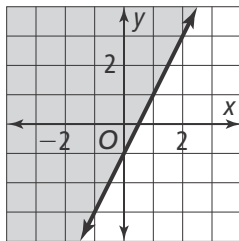   A boundary line that includes the points on the line is solid ($\leq$ or $\geq$).

   A boundary line that does not include the points on the line is dashed ($<$ or $>$).
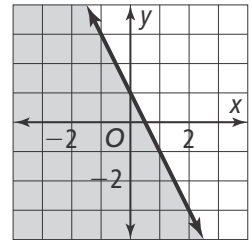
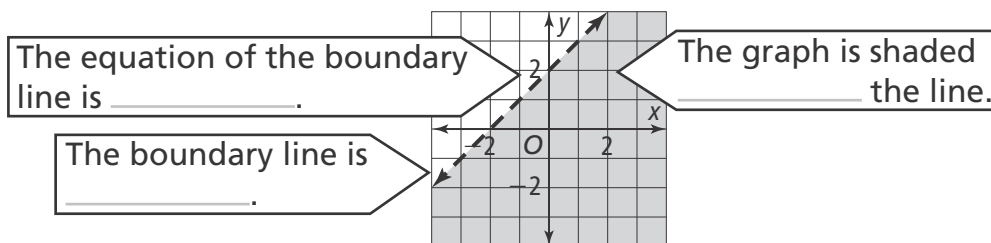 $y < 2x - 1$ $\qquad$ $y > -x + 3$ $\qquad$ $y \geq 2x - 1$ $\qquad$ $y \leq -x + 3$

2. Anthony graphed the inequality $y < -2x + 1$ as shown. What error did Anthony make?

3. Use the diagram to complete each statement.

The equation of the boundary line is _____.

The boundary line is _____.

The graph is shaded _____ the line.

The inequality shown by the graph is _____.