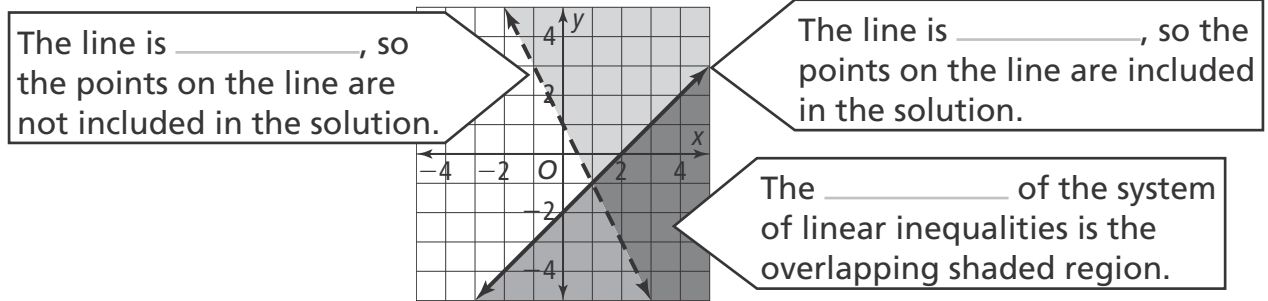


## 4-5 Reteach to Build Understanding

### Systems of Linear Inequalities

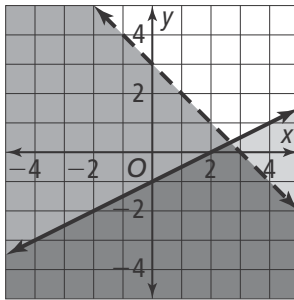
1. Use the diagram to complete each statement.



2. Complete the statement about each inequality in the system of inequalities from Exercise 1.

$$\begin{cases} y > -2x + 1 & \text{All points will be _____ the dashed line.} \\ y \leq x - 2 & \text{All points will be _____ the solid line.} \end{cases}$$

3. Sheryl made two incorrect statements about the system of inequalities shown in the graph. Put an X next to the incorrect statements. Correct her errors. Explain your reasoning.



- One of the inequalities in the system is  $y < \frac{1}{2}x - 1$ .
- One of the inequalities in the system is  $y < -x + 3$ .
- The points on the line  $y = -x + 3$  are solutions of the system.
- $(2, -2)$  is a solution of the system.
- $(-4, -3)$  is a solution of the system.