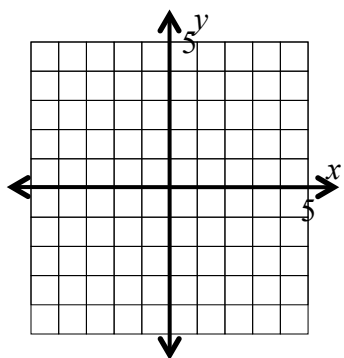
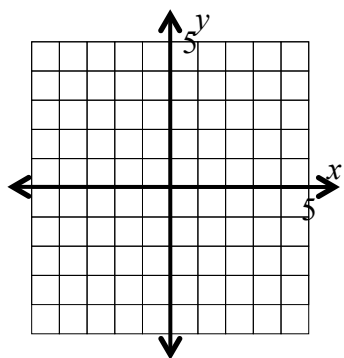


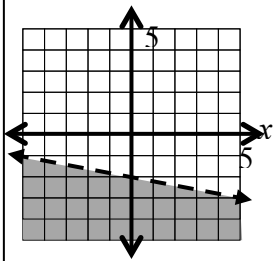
Graph the inequalities. Explain two similarities and two differences between the graphs.



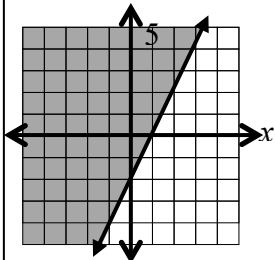
Ⓐ  $y < -\frac{1}{5}x - 2$



Ⓑ  $-2x + y \geq -2$


**Sample Top-Score Response:**

(A)  $y < -\frac{1}{5}x - 2$



(B)  $-2x + y \geq -2$

Both graphs are shaded regions with multiple solutions. The boundary lines both have y-intercept -2.

Graph A is a strict inequality. The dotted boundary line is not included in the solution. Graph A is shaded down. Graph B is shaded up with a solid boundary line because it is "greater than or equal to." Inequality A has a negative slope and B has a positive slope.

**2 Points:**

Student graphs both inequalities correctly and describes two similarities two differences between the graphs. Demonstrates understanding of inequalities and boundary lines, y-intercept and slope.

**1 Point:**

- Student graphs both inequalities correctly and describes one similarity and one difference between the graphs.
- Student graphs one inequality correctly and describes one or two similarities and one or two differences between the graphs.

**0 Points:**

- Student graphs both inequalities incorrectly.
- Student does not describe similarities or differences between the graphs.

**Reasoning with Equations and Inequalities****A-REI**

**Represent and solve equations and inequalities graphically.**

12. Graph the solutions to a linear inequality in two variables as a half-plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.