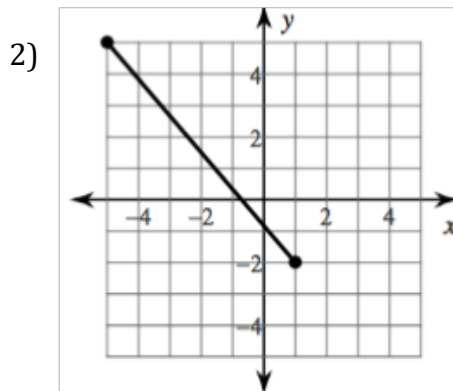
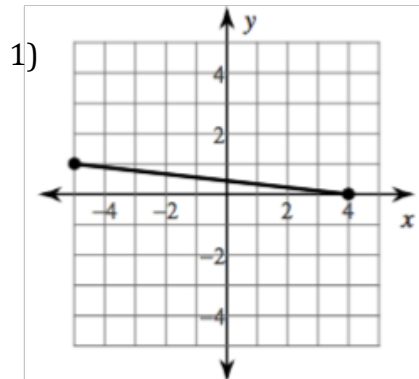


***Distance & Pythagorean Theorem***

Find the distance between each pair of points. Keep your answers exact.



3)  $(-8, 10), (-6, 7)$

4)  $(-5, 6), (8, -4)$

5) Given the points  $(-6, -10)$  and  $(-2, y)$  and a distance of 4, find the value of  $y$ .

6) Classify the triangle by side lengths using the given coordinates:  $(0, 0)$ ,  $(5, 1)$ , and  $(-1, 5)$ .

**Critical Thinking:**

7) Name a point that is  $\sqrt{2}$  away from  $(-1, 5)$ .