DEFINITION: A parabola is the set of points that are equal distance from a fixed point (called the **focus**) and a fixed line (called the **directrix**).
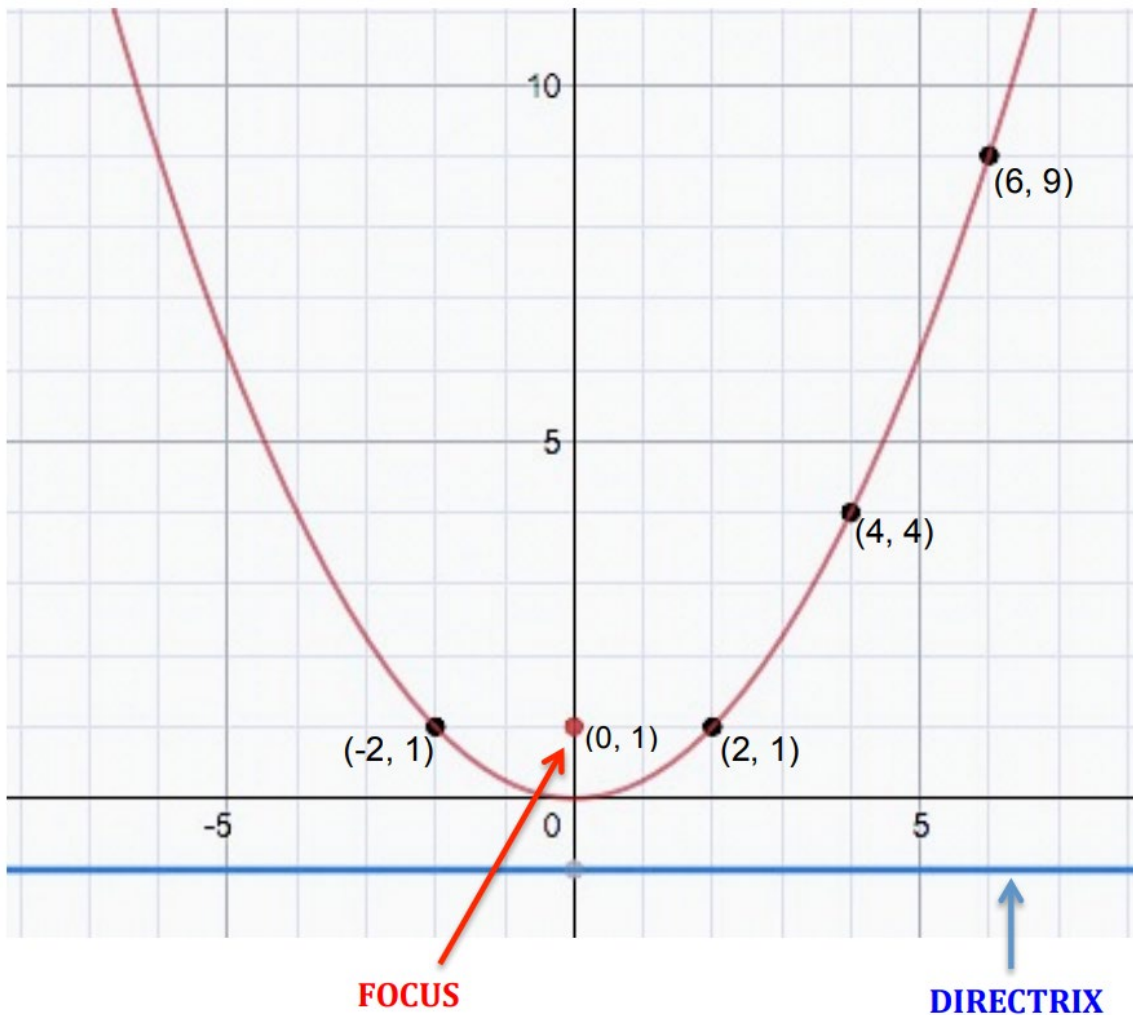
1. Use the definition of a parabola & the Pythagorean Theorem to find the x-value of a point on the parabola when the y-value is 5.

2. Make predictions about Sasha and Keoni
   a. What do you think they understand that they can use on the task?

   b. What might they have trouble with?