> 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. Explain what you discovered when you created a parabola in Episode 2.

2. How do you know that the collection of points you found parabola satisfy the definition of a parabola?

3. Are your methods the same as Keoni and Sasha? If they are different, why do both the methods work? If they were the same, can you think of another method to construct the parabola?