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. Using the definition of a parabola above, find a collection of points that are on a parabola. Show your work below. Label your focus and directrix.

2. Describe your methods and tools that you use to find the collection of points that satisfy the definition of a parabola.