NAME:_____

1. Explain how the points on a parabola are related to one another.

2. Write the equation of a parabola that opens up and has its vertex at the origin. Give the focus of the parabola.

[1] Answers may vary. Sample: The points on a parabola are all points that are the same distance from the focus and the directrix.

[2] Answers may vary. Sample: $y = \dfrac{1}{32}x^2$; focus is (0, 8)