

Human Parabola

NAME _____

1. What is the definition of a parabola?
2. Draw a sketch to illustrate the definition.
3. Working with 2 partners, sidewalk chalk, a rope, and a right angle measure, draw a parabola on the pavement.
4.
 - a. How can you find the vertex of the parabola?
 - b. What can you say about the distance between the parabola and the focus or directrix at the vertex?
5. What would happen if the focus moved closer to the directrix?
6. What would happen if the focus moved further from the directrix?