

## Attendance Quiz 22

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Find the focus, directrix, and focal diameter of the parabola. Sketch its graph.

(a)  $y^2 = x$

(b)  $x^2 = -8y$

2. Find the vertices, foci, and eccentricity of the ellipse. Determine the lengths of the major and minor axes, and sketch the graph.

(a)  $9x^2 + 4y^2 = 36$

(b)  $4x^2 + 25y^2 = 100$