

Chapter 10: Conic Sections

Section 10.1: Conic Sections: Overview

Key Topics: right circular cone, conic sections

Right Circular Cone

Draw a circle on a plane (say, horizontal). Draw a line l , called the _____, passing through the center of the circle and perpendicular to the plane. Choose a point V above the plane on this line. The _____ consisting of all lines that simultaneously pass through the point V and the circle is called a _____ with _____ V . The vertex V separates the surface into two parts called _____ of the cone.

Sketch the conic sections (see page 938).