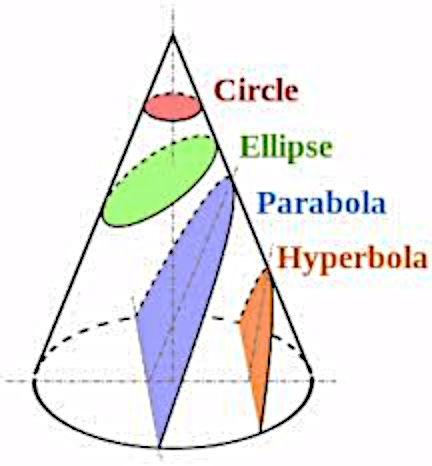
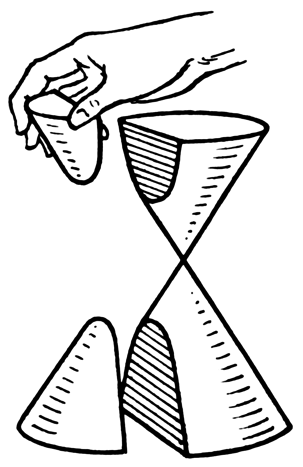
Geometry Unit 5: Circles Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5.1.0 Get Ready – Conic Sections** Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_



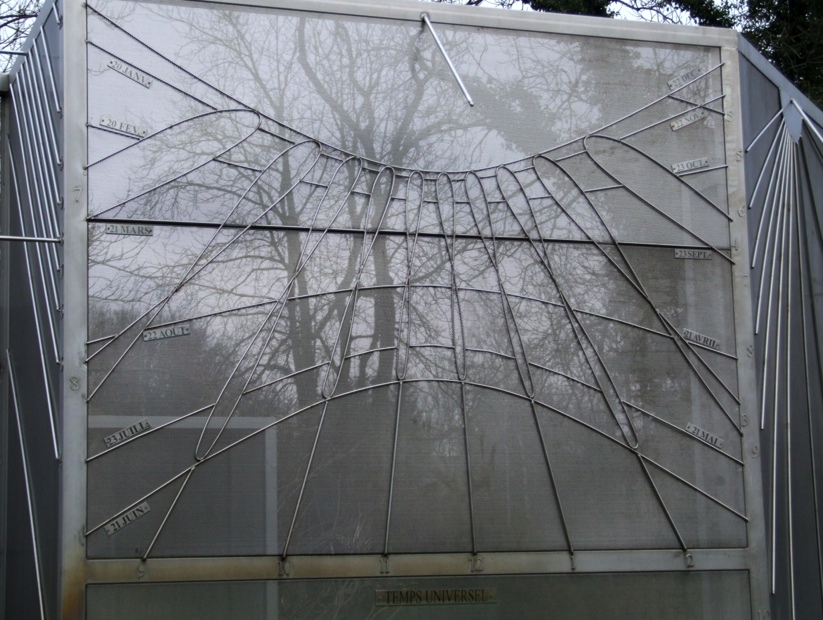
If you take a cone, and slice it in different ways, the slices have very different shapes, as shown in this diagram. The four shapes – **circle**, **ellipse**, **parabola**, and **hyperbola** – are known together as **conic sections**.

When we discuss conic sections, we really mean the parts of a double cone, so a hyperbola really has two parts, like this:

They show up in all sorts of places, as you see below. Identify each conic section.







*All photos from Wikimedia Commons*