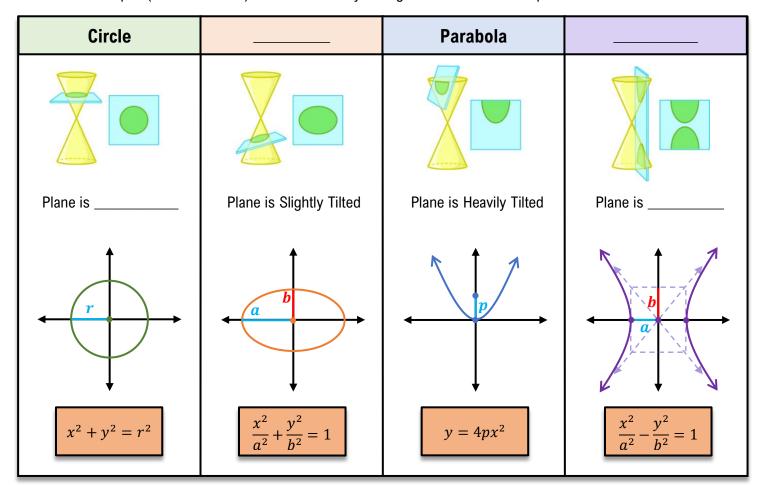
TOPIC: INTRODUCTION TO CONIC SECTIONS

Geometries from Conic Sections

- You will need to graph, write equations for, & identify characteristics of the following shapes
 - These shapes (Conic Sections) can be formed by slicing a 3D cone with a 2D plane



PRACITCE: How can you slice a vertically oriented 3D cone with a 2D plane to get a parabola?

- (A) Slice the cone with a horizontal plane.
- (B) Slice the cone with a slightly tilted plane.
- (C) Slice the cone with a heavily tilted plane.
- (D) Slice the cone with a vertical plane.

PRACITCE: How can you slice a vertically oriented 3D cone with a 2D plane to get a circle?

- (A) Slice the cone with a horizontal plane.
- (B) Slice the cone with a slightly tilted plane.
- (C) Slice the cone with a heavily tilted plane.
- (**D**) Slice the cone with a vertical plane.

TOPIC: INTRODUCTION TO CONIC SECTIONS

PRACITCE: A vertically oriented 3D cone is sliced with a vertical 2D plane. What is the conic section that will form?

