Conic Sections

**** Open Autograph in advanced Level.

Select  for the 3D graph page.

Select **** to enter an equation.

Type in the equation as x2 + y2 = z2 (equation of a cone).

Select **** to enter another equation.

Type in the equation as z = a + bx (equation of a plane).

Select “Edit Constants”. “a=2” and “b=0”

Press ok

Open the constant controller 

Experiment with different values of and b.

Which shapes can you make?

When do these shapes occur?

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