Conic Sections

**File Icons 32** Open Autograph in advanced Level.

Select page-new 3d 24 h p for the 3D graph page.

Select **add-equa 24 h p** to enter an equation.

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

Select **add-equa 24 h p** 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 constantcon 24 h p

Experiment with different values of and b.

Which shapes can you make?

When do these shapes occur?

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