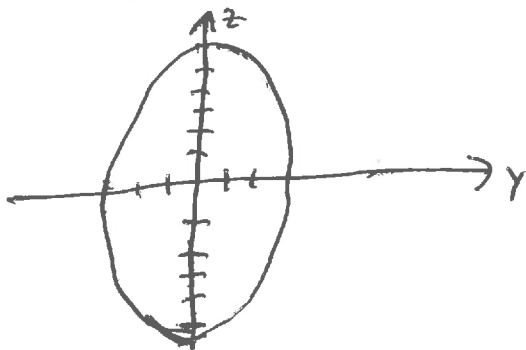


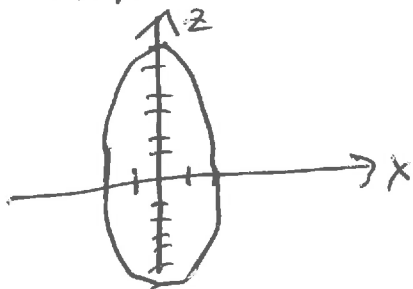
① $9x^2 + 4y^2 + z^2 = 36$

$$\frac{x^2}{4} + \frac{y^2}{9} + \frac{z^2}{36} = 1$$

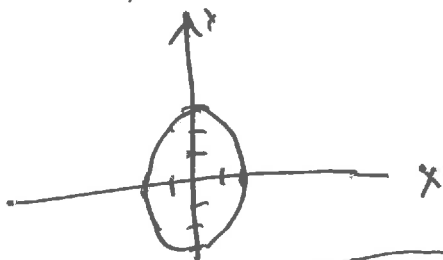
When $x=0$ the picture is an ellipse $\frac{y^2}{9} + \frac{z^2}{36} = 1$



When $y=0$ the picture is an ellipse $\frac{x^2}{4} + \frac{z^2}{36} = 1$



When $z=0$ the picture is an ellipse $\frac{x^2}{4} + \frac{y^2}{9} = 1$



In 3-space the picture is an ellipsoid

