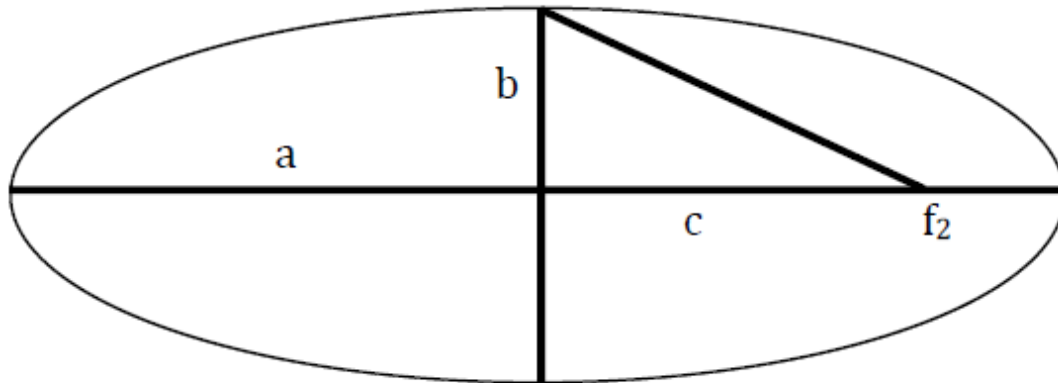


Ellipse

Assuming the major axis is the x-axis



a = major axis

b = minor axis

c = distance from center to focus (f₂ in this example)

Area of Ellipse = πab

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$$

$$c^2 = a^2 - b^2$$