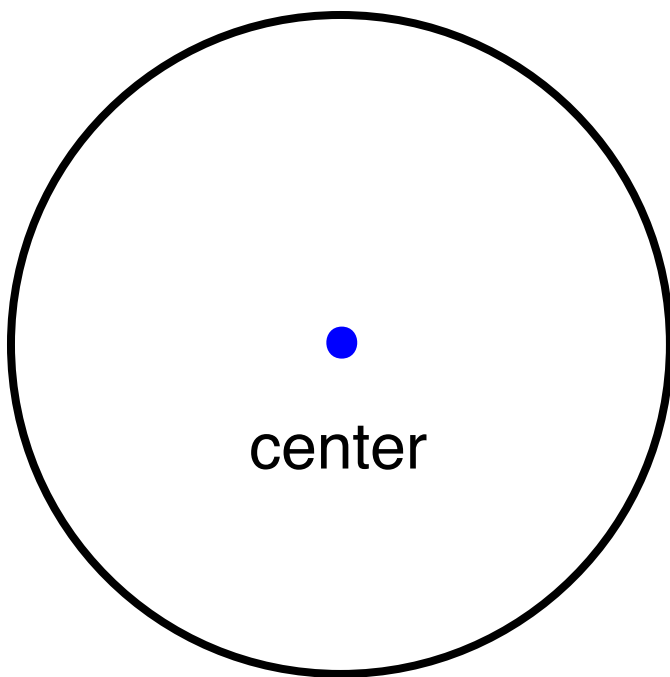
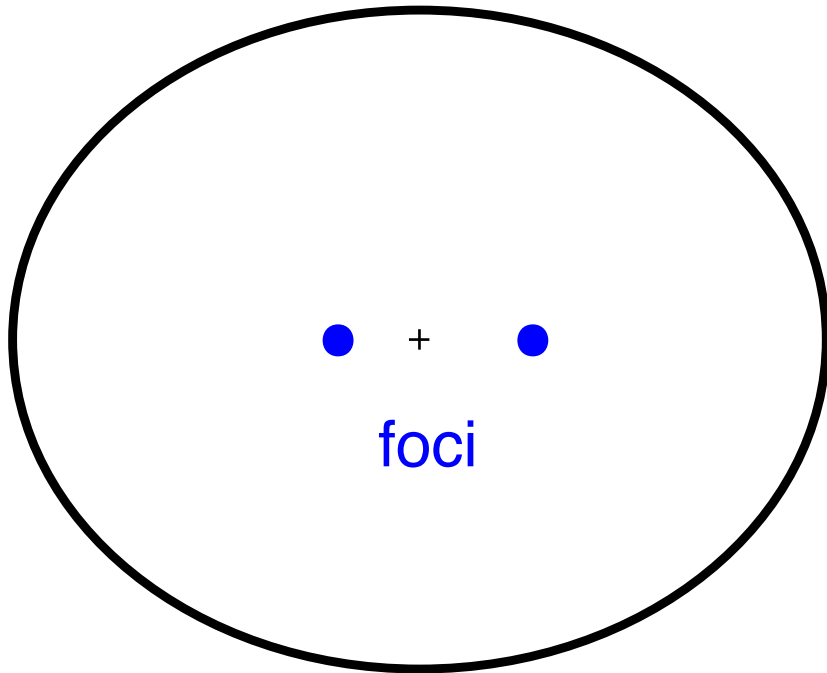


Eccentricity describes  
by how much an ellipse  
deviates from a circle

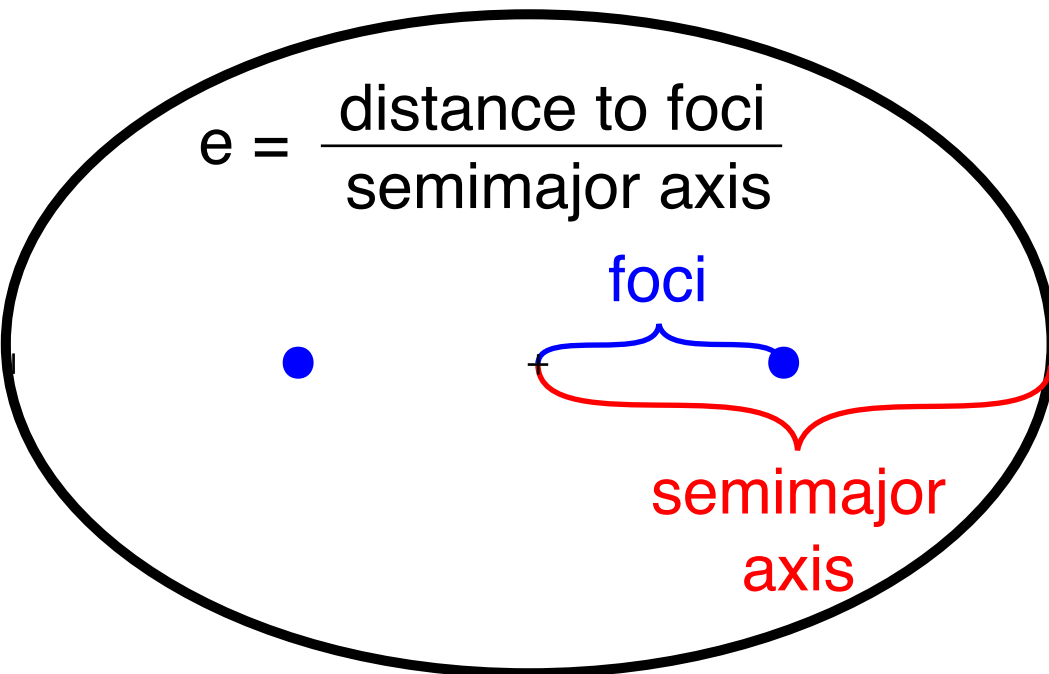


zero eccentricity



moderate eccentricity

$$e = \frac{\text{distance to foci}}{\text{semimajor axis}}$$



high eccentricity