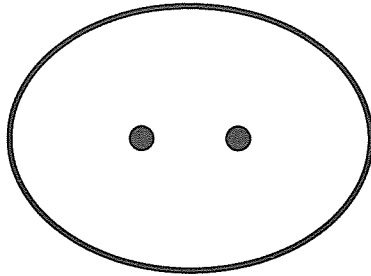
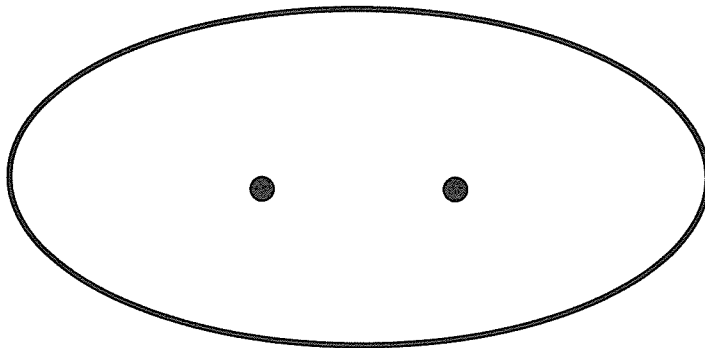


For all ellipses, label the Sun with an "S" and mark the location where the planet would have it's greatest orbital velocity.

1. Calculate the eccentricity of the following ellipse.

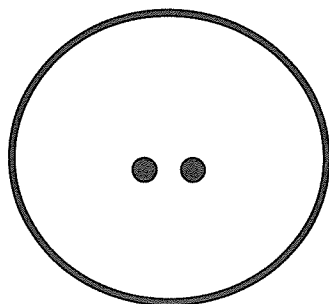


2. Calculate the eccentricity of the following ellipse.



3. Calculate the eccentricity of the following ellipse if the distance between the foci equals 8.5 cm and length of the major axis is 14 cm.

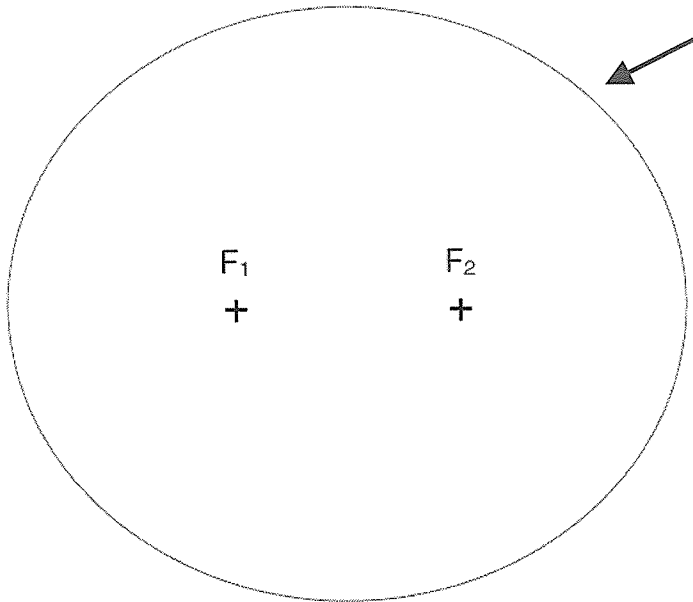
4. Calculate the eccentricity of the following ellipse.



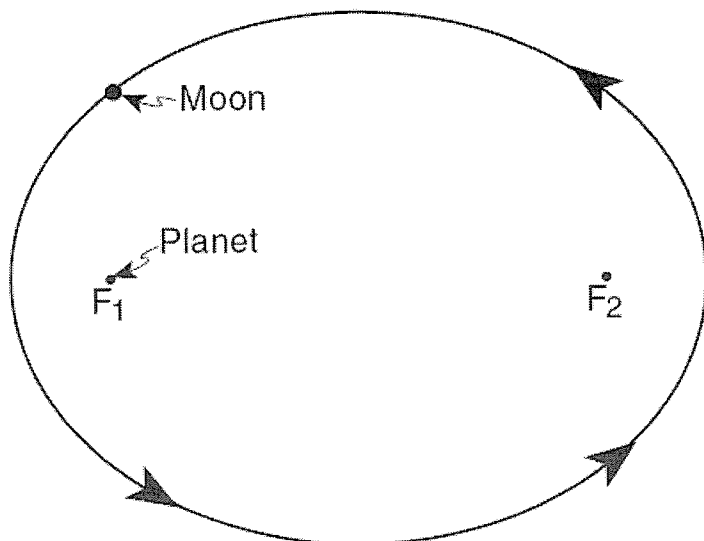
5. Calculate the eccentricity of the following ellipse.



6. Calculate the eccentricity of this ellipse to the nearest thousandth. (1)



7. State how the eccentricity of this ellipse compares to the eccentricity of the orbit of Mars. (1)



8. Calculate the eccentricity of this ellipse to the nearest thousandth. (1)