Name: _____

Date: _____

Math 101: Assignment 10

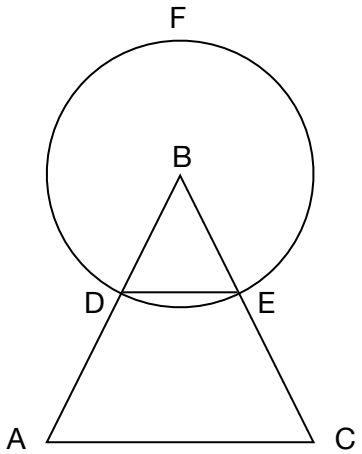

Figure 1

1. What are the angles in Figure 1?

   What are the triangles in Figure 1?

   What are the line segments in Figure 1?

   What is the circle in Figure 1?

   What is the quadrilateral figure in Figure 1?

2. In Figure 1, if $\angle BAC = \angle BCA$ and point B is the center of circle DEF, then $\overline{DA} = \overline{EC}$.

   Given:

   Prove:

Statement	Reason

3. If $\triangle BAC$ is an isosceles triangle, point B is the center of circle DEF and $\overline{GD} = \overline{EF}$, then $\triangle GEC = \triangle FDA$.