Name:_____

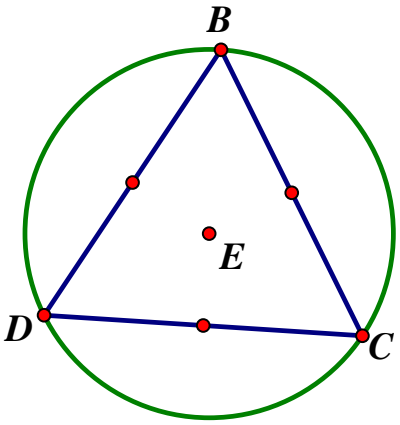
This is your **Exit Ticket**. You must complete this before you leave the classroom. Write in your own words one of either of the following options: An inscribed angle problem or an area of a sector word problem. You must use *at least* 2 of the following words: Inscribed angle, tangent, sector, chord, secant, minor, major arc, circumference, and area.

Show your work here:

$m\angle BCD = 60.00°$
$m\overset{\frown}{BD}$ on $\odot EB = 120.00°$

$m\angle BDC = 60.00°$
$m\overset{\frown}{BC}$ on $\odot EB = 120.00°$

$m\angle CBD = 60.00°$
$m\overset{\frown}{CD}$ on $\odot EB = 120.00°$



Answer to Homework Problem:

First I constructed an equilateral triangle. Then, I labeled the midpoints. Next, I connected all vertices with midpoints. Then I labeled the point of intersection in the middle. I selected the middle point and any vertex and click on construct circle by center point. This circumscribes the equilateral triagle. The relation of inscribed angle to intercepted asc is half.

This picture shows that the intercepted arc is twice the measure of the inscribed angle.