Notes for lesson 9-6: Other Angles

Draw a diagram as an example of each theorem.

<u>Theorem 9-9</u>: The measure of an angle formed by two chords that intersect inside a circle is equal to half the sum of the measures of the intercepted arc.



<u>Theorem 9-10:</u> The measure of an angle formed by two secants, two tangents, or a secant and a tangent drawn from a point outside the circle is equal to half the difference of the measures of the intercepted arcs.





Given that segment BE is a diameter of circle O, measure of arc AB = 80° , measure of arc BC = 20° , and measure of arc DE = 50° .

