Angles – Circles

Information needed

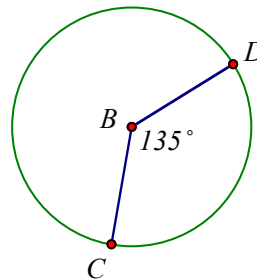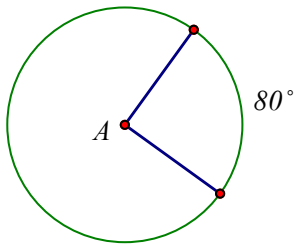If vertex is at center of circle, the $\angle$ = the intercepted arc. – Central $\angle$

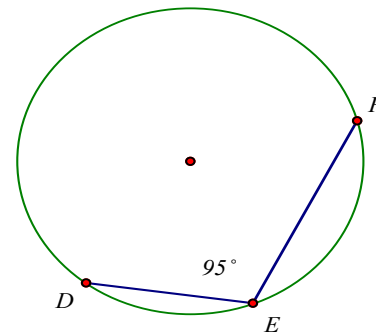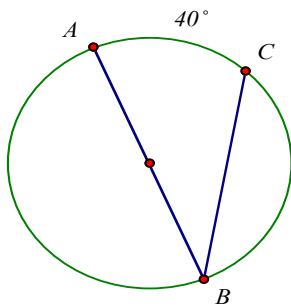If vertex lies on the circle, the $\angle$ = ½ intercepted arc. – Inscribed $\angle$

If vertex lies inside the circle, the $\angle$ = ½ the sum of the intercepted arcs.

If the vertex lies outside the circle, the $\angle$ = ½ the difference of the intercepted arcs.

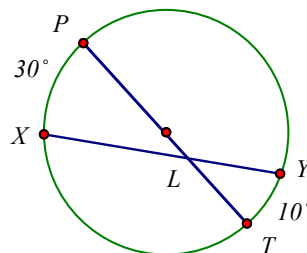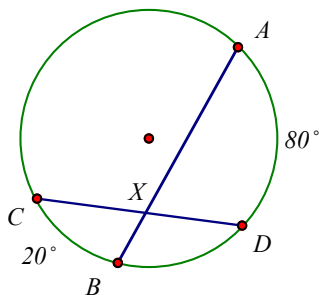*1. Find the m$\angle$A and arc CD*

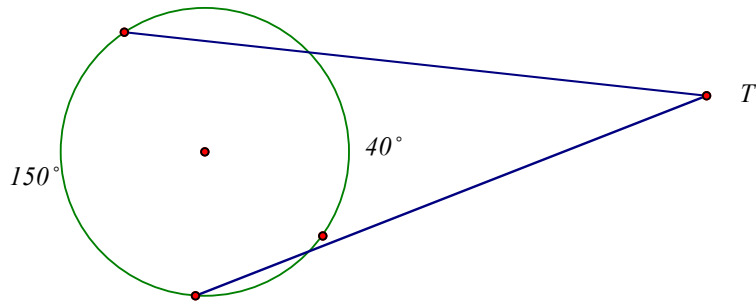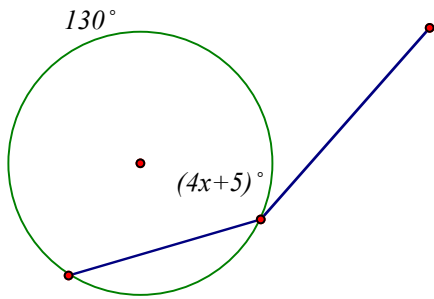*2. Find m$\angle$B and arc DF.*

3. Find the m$\angle$AXD and m$\angle$PLX

4.   Find the m ∠T

150°   40°   T

5.   Find the value of x.

130°

(4x+5)°

6.   Find the value of x.

5x

40°

260°

7.   Find the value of x.

(x+70)°   (x+30)°   x°/2