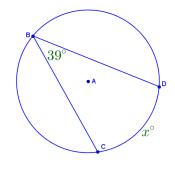
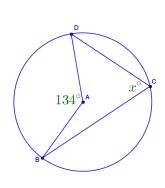
SM2 9.6: Inscribed and Circumscribed Angles

a) Find the measure of the indicated variable(s). b) Classify the angle listed.

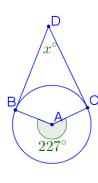
1)



2)



3)



$$x = 78^{\circ}$$

$$x = 67^{\circ}$$

$$x = 47^{\circ}$$

Classify $\angle DBC$:

Classify $\angle BAD$:

Circumscribed

Classify $\angle BDC$:

Circumscribed

Central

Inscribed

Central

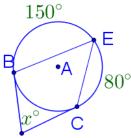
Inscribed

Central

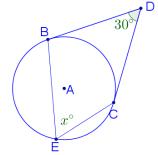
Inscribed

Circumscribed

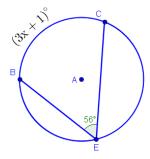
4)



5)



6)



$$x = 50^{\circ}$$

$$x = 75^{\circ}$$

$$x = 37^{\circ}$$

Classify $\angle BDC$:

Classify $\angle BEC$:

Classify $\angle BEC$:

Central

Inscribed

Central

Inscribed

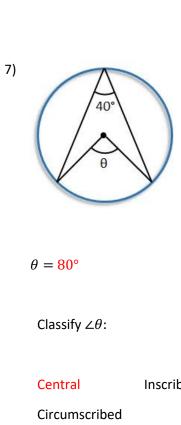
Central

Inscribed

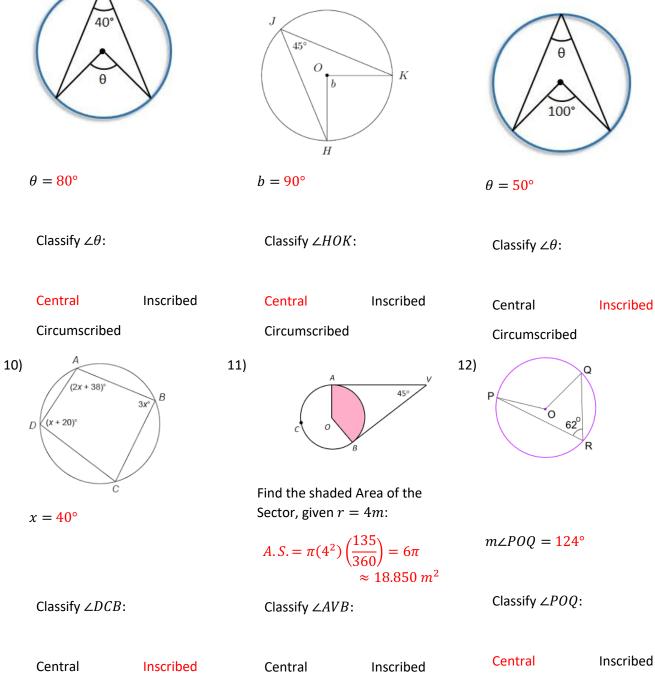
Circumscribed

Circumscribed

Circumscribed



Circumscribed

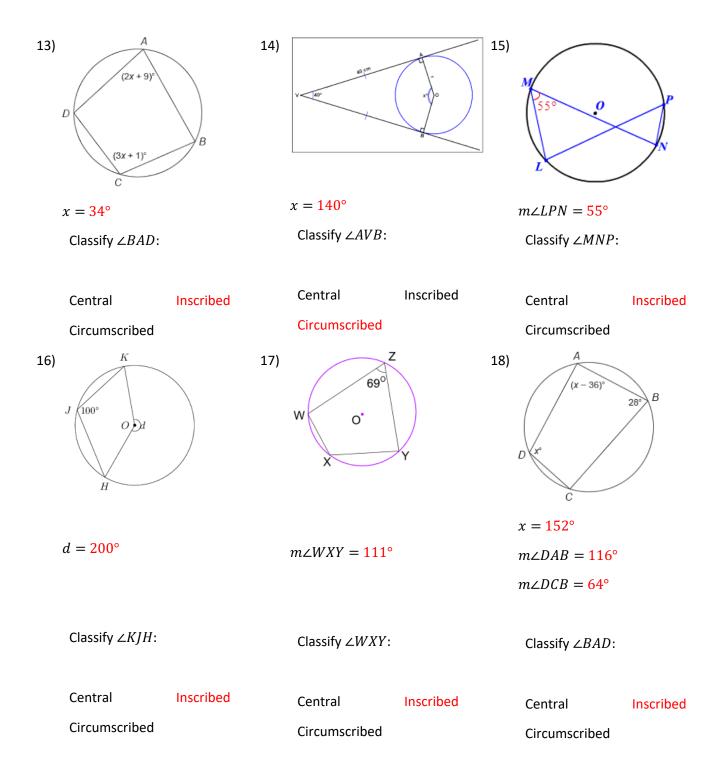


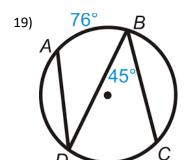
Circumscribed

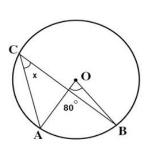
9)

Circumscribed

8)







$$m \angle ADB = 38^{\circ}$$

$$x = 40^{\circ}$$

$$m\widehat{DC} = 90^{\circ}$$

Classify $\angle DBC$:

Classify $\angle ACB$:

Central Inscribed Central Inscribed

20)

Circumscribed Circumscribed