

# 9-1 Circles and Arcs

Figure 1

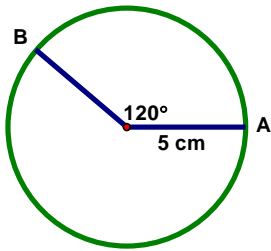


Figure 2

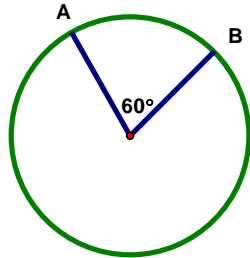


Figure 3

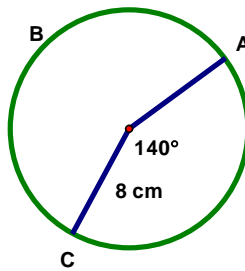


Figure 4

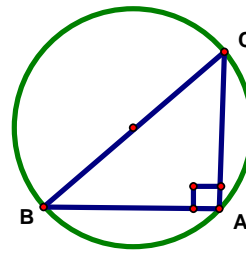
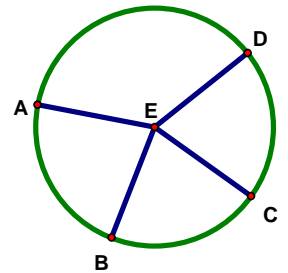


Figure 5



- \_\_\_\_\_ 1. What is the measurement of  $AB$  in Figure 1 above?
- \_\_\_\_\_ 2. If  $AB = 6$  cm in Figure 2 above, what is the circumference of the circle?
- \_\_\_\_\_ 3. What is the measurement of major  $ABC$  in Figure 3 above?
- \_\_\_\_\_ 4. In Figure 4,  $AB = 5$  cm and  $AC = 12$  cm.  
What is the circumference of the circle rounded to the nearest tenth?
- \_\_\_\_\_ 5. In Figure 5,  $\angle AED = 12x$ ,  $\angle AEB = 8x$ ,  $\angle CED = 8x$ , and  $\angle CEB = 4x$ .  
What is the value of  $x$ ?