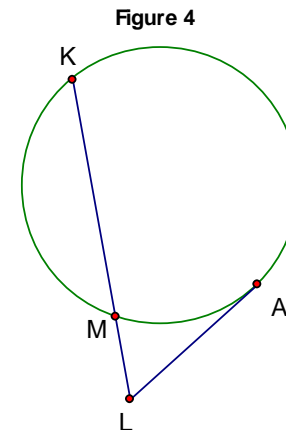
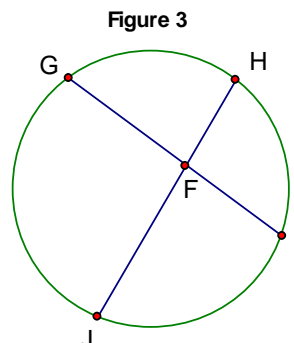
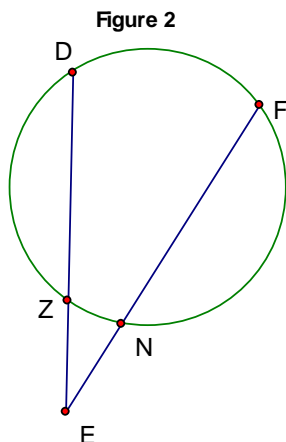
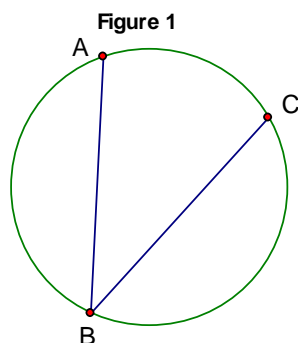


9-2 Angles and Arcs

Name: _____

Time Start: _____ Finish: _____

Total Time = _____



- _____ 1. If in Figure 1, $AC = 80^\circ$, what is $\angle B$?
- _____ 2. If in Figure 2, $DF = 100^\circ$ and $ZN = 40^\circ$, what is $\angle E$?
- _____ 3. If in Figure 2, $DF = 140^\circ$ and $ZN = 30^\circ$, what is $\angle E$?
- _____ 4. If in Figure 2, $DZ = 100^\circ$, $ZN = 40^\circ$, $NF = 110^\circ$ and what is $\angle E$?
- _____ 5. If in Figure 3, $GH = 130^\circ$ and $JI = 100^\circ$, what is $\angle JFI$?
- _____ 6. If in Figure 3, $GH = 100^\circ$ and $JI = 100^\circ$, what is $\angle JFG$?
- _____ 7. If in Figure 3, $GH = 2x^\circ$, $GJ = 4x^\circ$, $JI = 3x^\circ$, and $HI = x^\circ$ what is $\angle JFI$?
- _____ 8. If in Figure 4, $KA = 160^\circ$ and $MA = 20^\circ$, what is $\angle L$?
- _____ 9. If in Figure 4, $KA = 160^\circ$ and $KM = 130^\circ$, what is $\angle L$?
- _____ 10. If in Figure 4, $KA = 10x^\circ$, $KM = 8x^\circ$, and $MA = 2x^\circ$ what is $\angle L$?

SAT Questions – All have videos

_____ Trig 7-4

13. If n is a positive integer, which of the following must be even?

- A. $n + 2$
- B. $2n$
- C. $3n$
- D. n^2
- E. n^3

_____ Trig 7-4

15. If x and y are positive integers and $3^{2x} \bullet 3^{2y} = 81$, what is the value of $x + y$?

- A. $\frac{3}{2}$
- B. 2
- C. 4
- D. $\frac{81}{2}$
- E. 81

_____ Trig 8-4

19. How many ordered pairs of integers (x, y) satisfy $x^2 + y^2 < 9$?