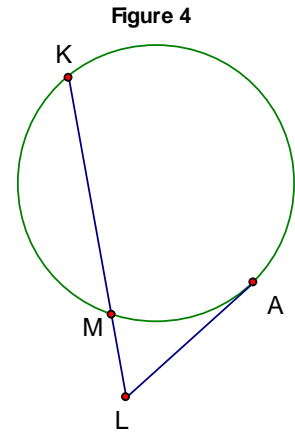
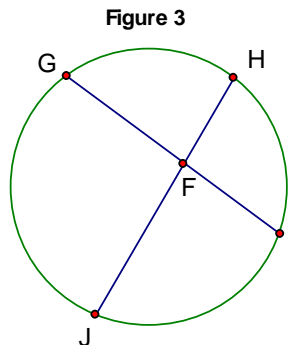
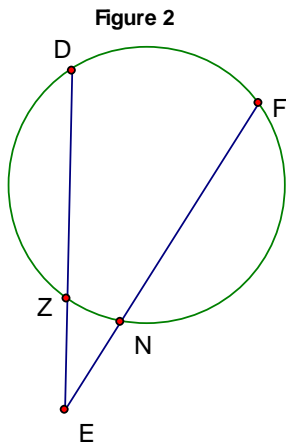
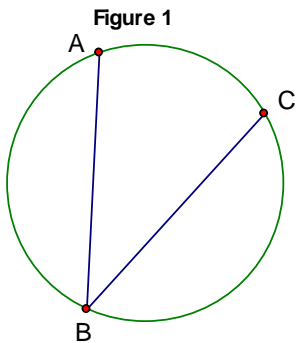


9-2 Angles and Arcs

Name _____



- _____ 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 $\angle L$?