



9-2 Angles and Arcs

- _____ 1. If in Figure 1, $AC = 80^\circ$, what is $\angle B$?
- _____ 2. If in Figure 2, and $ZN = 40^\circ$, what is $\angle E$?
- _____ 3. If in Figure 3, $GH = 130^\circ$ and $JI = 100^\circ$, what is $\angle JFI$?
- _____ 4. If in Figure 4, $KA = 160^\circ$ and $MA = 20^\circ$, what is $\angle L$?
- _____ 5. If in Figure 4, $KA = 150^\circ$ and $KM = 130^\circ$, what is $\angle L$?

9-3 Angles and Arcs 2

Using the same Figures above, answer these questions.

- _____ 1. If in Figure 1, $AB = 100^\circ$ and $CB = 170^\circ$ what is $\angle B$?
- _____ 2. If in Figure 2, $DF = 100^\circ$ and $\angle E = 20^\circ$, what is ZN ?
- _____ 3. If in Figure 3, $GH = 130^\circ$ and $\angle JFI = 80^\circ$, what is JI ?
- _____ 4. If in Figure 4, $KA = 160^\circ$ and $\angle L = 62^\circ$, what is MA ?
- _____ 5. If in Figure 4, $KA = 160^\circ$ and $\angle L = 48^\circ$, what is KM ?