

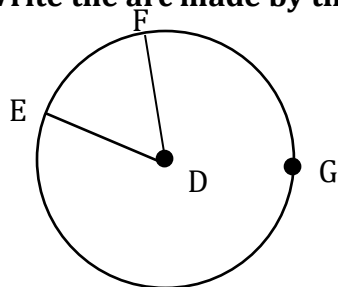
Angle Pairs

Name: _____

Date: _____

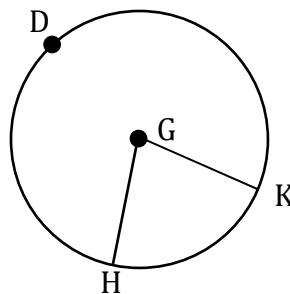
Write the arc made by the given angle.

1)



$\angle EDF$

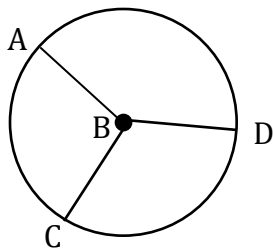
2)



$\widehat{HK}$

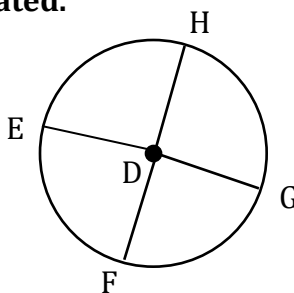
Measure the arc or central angle indicated.

1)



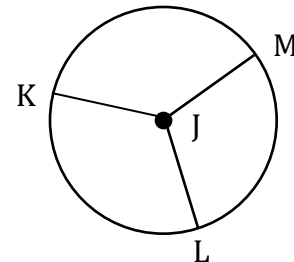
$$\begin{aligned}\widehat{ADC} &= 250^\circ \\ \angle DBC &= 90^\circ \\ \angle ABD &= ___\end{aligned}$$

2)



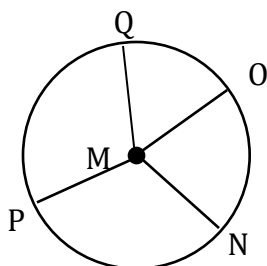
$$\begin{aligned}\angle EDF &= 70^\circ \\ \widehat{EF} &= ___\end{aligned}$$

3)



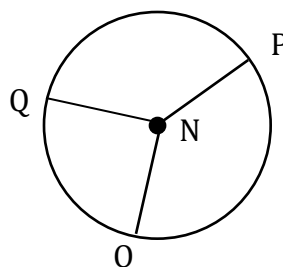
$$\begin{aligned}\widehat{LKM} &= 180^\circ \\ \angle MJL &= 95^\circ \\ \angle KJL &= ___\end{aligned}$$

4)



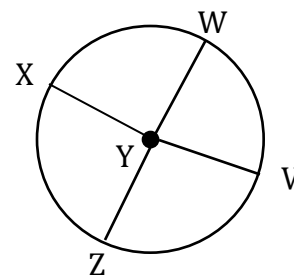
$$\begin{aligned}\angle NMP &= 95^\circ \\ \widehat{NP} &= ___\end{aligned}$$

5)



$$\begin{aligned}\widehat{OQP} &= 230^\circ \\ \angle ONQ &= 120^\circ \\ \angle QNO &= ___\end{aligned}$$

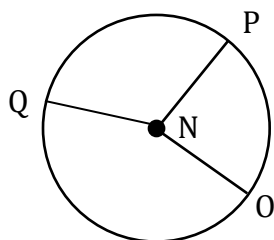
6)



$$\begin{aligned}\angle ZYX &= 160^\circ \\ \widehat{ZX} &= ___\end{aligned}$$

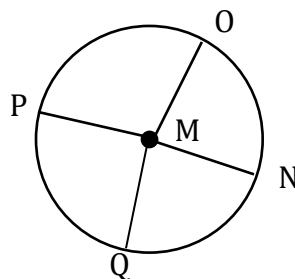
Solve for z.

1)



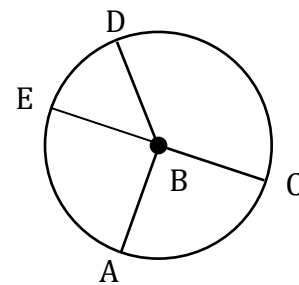
$$\begin{aligned}\angle PNQ &= 120^\circ \\ \widehat{POQ} &= 24z + 24^\circ \\ z &= ___\end{aligned}$$

2)



$$\begin{aligned}\widehat{ON} &= 55^\circ \\ \angle OMN &= 5z + 5^\circ \\ z &= ___\end{aligned}$$

3)



$$\begin{aligned}\widehat{DC} &= 130^\circ \\ \angle DBC &= 19z + 2^\circ \\ z &= ___\end{aligned}$$

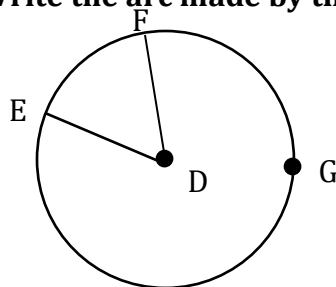
Angle Pairs

Name: _____

Date: _____

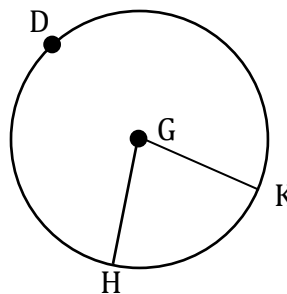
Write the arc made by the given angle.

1)



$\angle EDF$
 $\widehat{EF}$

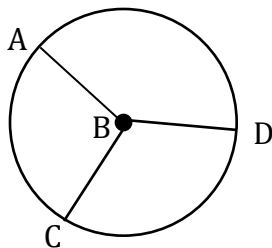
2)



$\widehat{HK}$
 $\angle HGK$

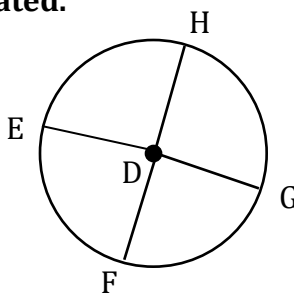
Measure the arc or central angle indicated.

1)



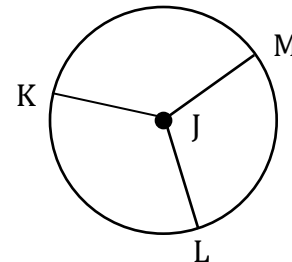
$\widehat{ADC} = 250^\circ$
 $\angle DBC = 90^\circ$
 $\angle ABD = \underline{160^\circ}$

2)



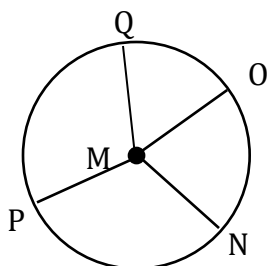
$\angle EDF = 70^\circ$
 $\widehat{EF} = \underline{70^\circ}$

3)



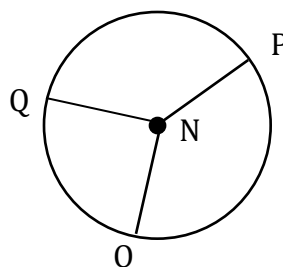
$\widehat{LKM} = 180^\circ$
 $\angle MJL = 95^\circ$
 $\angle KJL = \underline{85^\circ}$

4)



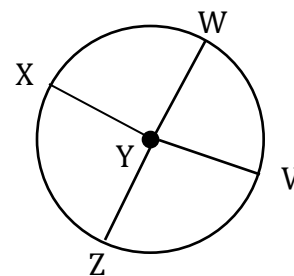
$\angle NMP = 95^\circ$
 $\widehat{NP} = \underline{95^\circ}$

5)



$\widehat{OQP} = 230^\circ$
 $\angle ONQ = 120^\circ$
 $\angle QNO = \underline{110^\circ}$

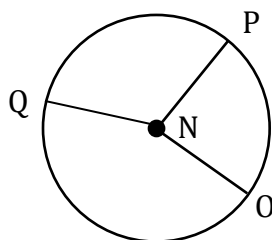
6)



$\angle ZYX = 160^\circ$
 $\widehat{ZX} = \underline{160^\circ}$

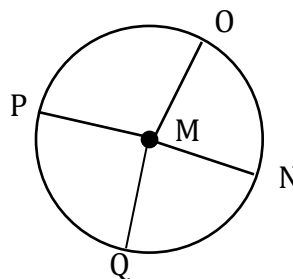
Solve for z.

1)



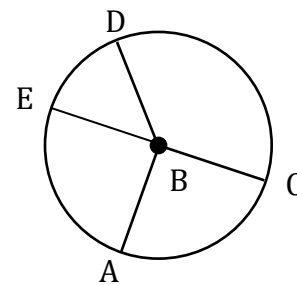
$\angle PNQ = 120^\circ$
 $\widehat{POQ} = 24z + 24^\circ$
 $z = \underline{9^\circ}$

2)



$\widehat{ON} = 55^\circ$
 $\angle OMN = 5z + 5^\circ$
 $z = \underline{10^\circ}$

3)



$\widehat{DC} = 130^\circ$
 $\angle DBC = 19z + 2^\circ$
 $z = \underline{12^\circ}$