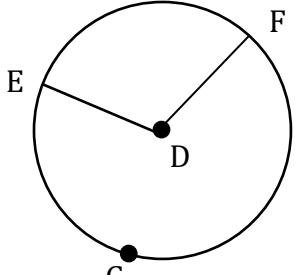


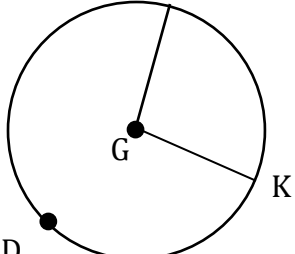
Angle Pairs

Name: _____

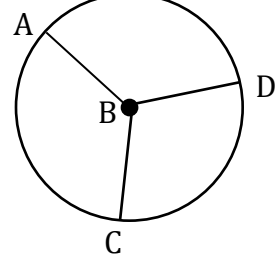
Date: _____

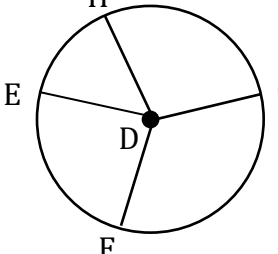
Write the arc made by the given angle.

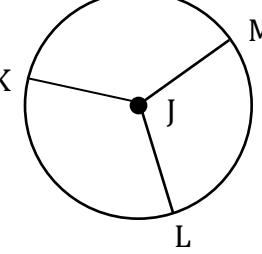
1)  $\angle EDF$

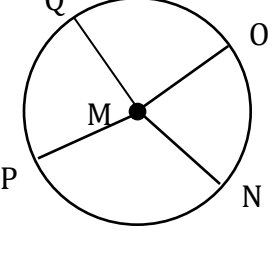
2)  \widehat{HK}

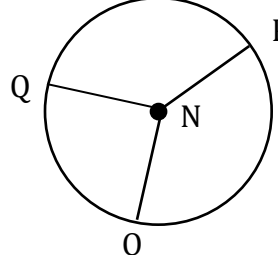
Measure the arc or central angle indicated.

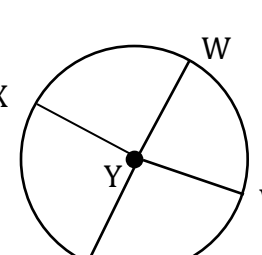
1) 
 $\widehat{ADC} = 220^\circ$
 $\angle DBC = 85^\circ$
 $\angle ABD =$ _____

2) 
 $\angle EDF = 65^\circ$
 $\widehat{EF} =$ _____

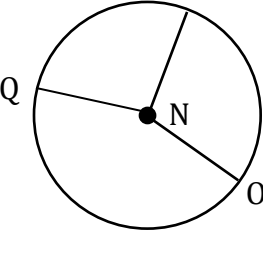
3) 
 $\widehat{LKM} = 175^\circ$
 $\angle MJL = 115^\circ$
 $\angle KJL =$ _____

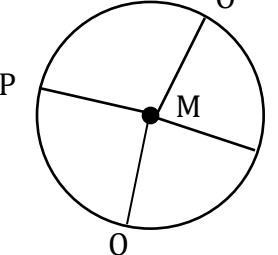
4) 
 $\angle NMP = 105^\circ$
 $\widehat{NP} =$ _____

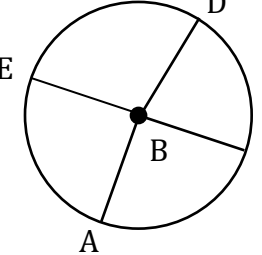
5) 
 $\widehat{OPQ} = 225^\circ$
 $\angle PNO = 130^\circ$
 $\angle QNO =$ _____

6) 
 $\angle ZYX = 170^\circ$
 $\widehat{ZX} =$ _____

Solve for z.

1) 
 $\angle PNQ = 90^\circ$
 $\widehat{POQ} = 15z + 45^\circ$
 $z =$ _____

2) 
 $\widehat{ON} = 45^\circ$
 $\angle OMN = 9z + 9^\circ$
 $z =$ _____

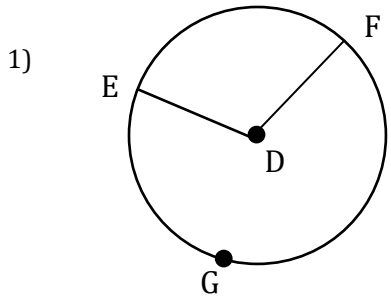
3) 
 $\widehat{DC} = 60^\circ$
 $\angle DBC = 5z + 10^\circ$
 $z =$ _____

Angle Pairs

Name: _____

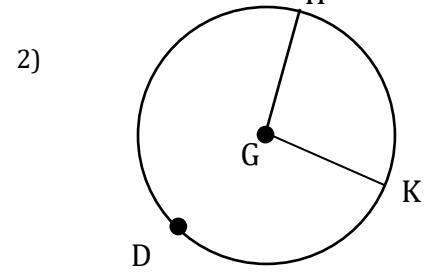
Date: _____

Write the arc made by the given angle.



$$\angle EDF$$

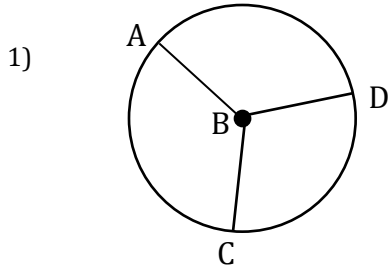
$$\underline{\widehat{EF}}$$



$$\widehat{HK}$$

$$\underline{\angle HGK}$$

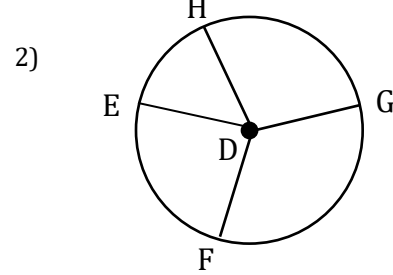
Measure the arc or central angle indicated.



$$\widehat{ADC} = 220^\circ$$

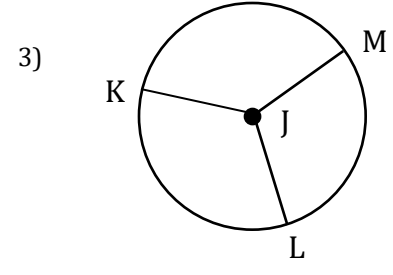
$$\angle DBC = 85^\circ$$

$$\angle ABD = \underline{135^\circ}$$



$$\angle EDF = 65^\circ$$

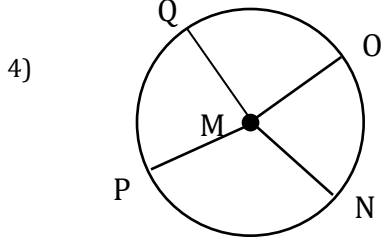
$$\widehat{EF} = \underline{65^\circ}$$



$$\widehat{LKM} = 175^\circ$$

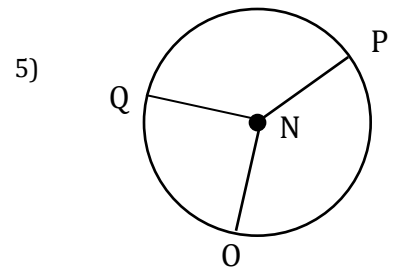
$$\angle MJL = 115^\circ$$

$$\angle KJL = \underline{60^\circ}$$



$$\angle NMP = 105^\circ$$

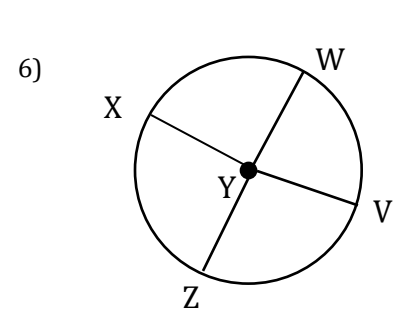
$$\widehat{NP} = \underline{105^\circ}$$



$$\widehat{OPQ} = 225^\circ$$

$$\angle PNO = 130^\circ$$

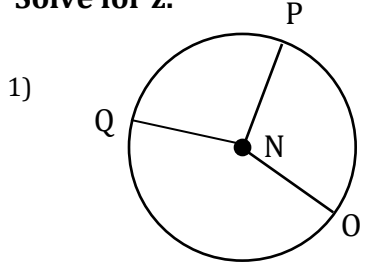
$$\angle QNO = \underline{95^\circ}$$



$$\angle ZYX = 170^\circ$$

$$\widehat{ZX} = \underline{170^\circ}$$

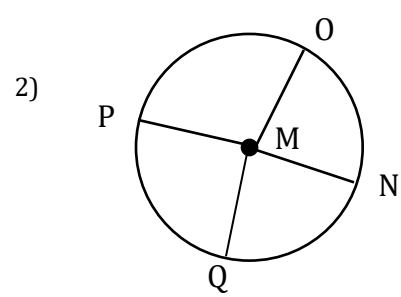
Solve for z.



$$\angle PNQ = 90^\circ$$

$$\widehat{POQ} = 15z + 45^\circ$$

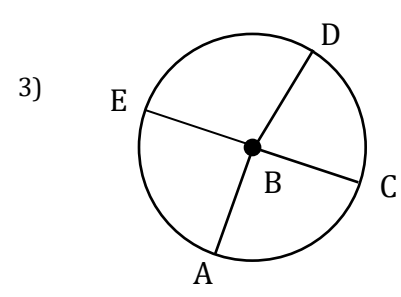
$$z = \underline{15^\circ}$$



$$\widehat{ON} = 45^\circ$$

$$\angle OMN = 9z + 9^\circ$$

$$z = \underline{4^\circ}$$



$$\widehat{DC} = 60^\circ$$

$$\angle DBC = 5z + 10^\circ$$

$$z = \underline{10^\circ}$$