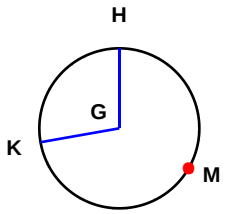
NAME: _____ DATE: _____

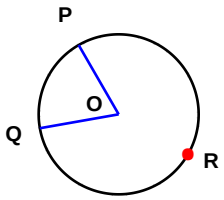
TEACHER: _____

Arcs and Central Angles Worksheet Arcs

Name the arc made by the given angle.

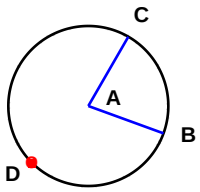
1) 

∠ HGK

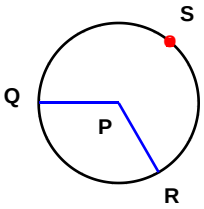
2) 

∠ POQ

Name the arc made by the given angle.

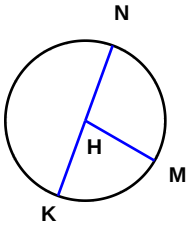
3) 

∠ BAC

4) 

∠ QPR

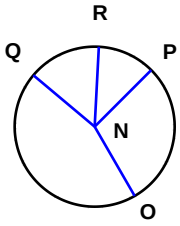
Find the measure of the arc or central angle indicated.

5) 

$\overset{\frown}{NKM} = 260°$

∠ KHN = 180 °

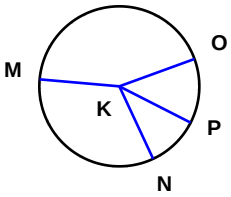
∠ MHK = _____ °

6) 

∠ ONQ = 160 °

$\overset{\frown}{OPQ}$ = _____ °

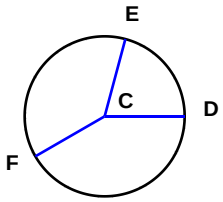
Solve for x.

7) 

$\overset{\frown}{NM} = 120$ °

∠ NKM = 8x _____ °

x = _____

8) 

∠ ECD = 75 °

$\overset{\frown}{ED}$ = 8x + 3 _____ °

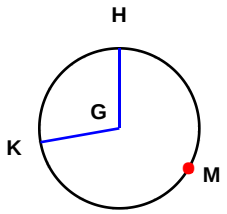
x = _____

NAME: _____ DATE: _____

TEACHER: _____

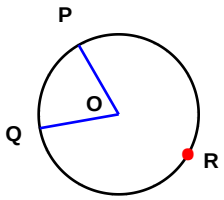
Arcs and Central Angles Worksheet Arcs

Name the arc made by the given angle.

1) 

∠ HGK

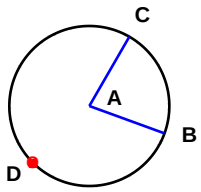
$\overset{\frown}{HK}$

2) 

∠ POQ

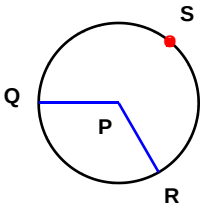
$\overset{\frown}{PQ}$

Name the arc made by the given angle.

3) 

∠ BAC

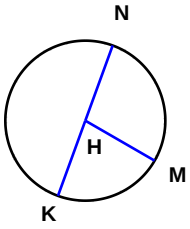
$\overset{\frown}{BC}$

4) 

∠ QPR

$\overset{\frown}{QR}$

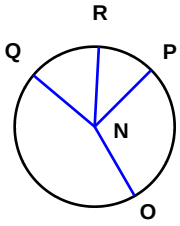
Find the measure of the arc or central angle indicated.

5) 

$\overset{\frown}{NKM}$ = 260°

∠ KHN = 180 °

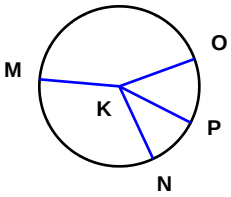
∠ MHK = 80 °

6) 

∠ ONQ = 160 °

$\overset{\frown}{OPQ}$ = 200 °

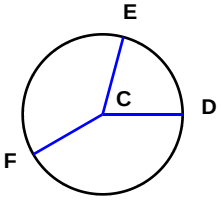
Solve for x.

7) 

$\overset{\frown}{NM}$ = 120 °

∠ NKM = 8x °

x = 15

8) 

∠ ECD = 75 °

$\overset{\frown}{ED}$ = 8x + 3 °

x = 9

