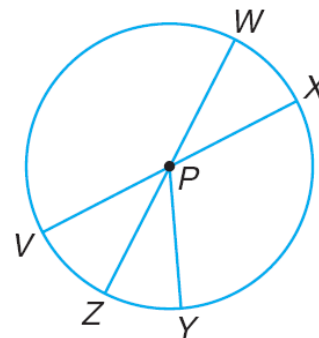


Name: \_\_\_\_\_

## Parts of a Circle

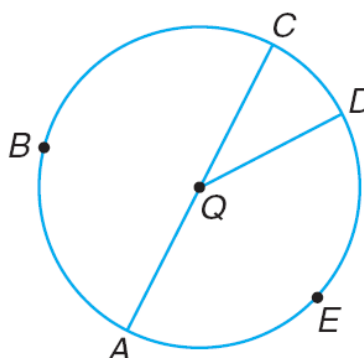
**Exercise 1:** Find each measure in  $\square P$  if  $m\angle WPX = 25^\circ$ ,  $m\angle YZ = 38^\circ$ , and  $\overline{WZ}$  and  $\overline{XV}$  are diameters.

- |                   |                   |                  |
|-------------------|-------------------|------------------|
| 1) $m\angle ZPY$  | 2) $m\angle XZ$   | 3) $m\angle VZ$  |
| 4) $m\angle VPZ$  | 5) $m\angle VWX$  | 6) $m\angle ZXW$ |
| 7) $m\angle ZVW$  | 8) $m\angle WYZ$  | 9) $m\angle XPY$ |
| 10) $m\angle WZX$ | 11) $m\angle XWY$ | 12) $m\angle XY$ |



**Exercise 2:** In  $\square Q$ ,  $\overline{AC}$  is a diameter and  $m\angle CQD = 43^\circ$ . Find:

- 1)  $m\angle DQA$
- 2)  $m\angle ABD$
- 3)  $m\angle AD$
- 4)  $m\angle CD$
- 5)  $m\angle CBD$



**Exercise 3:** A is the center of two concentric circles with radii  $\overline{AQ}$  and  $\overline{AR}$ . If  $m\angle SAR = 32^\circ$  and  $m\angle XQ = 112^\circ$ , find each measure:

- 1)  $m\angle SR$
- 2)  $m\angle WR$
- 3)  $m\angle TQ$
- 4)  $m\angle TYX$
- 5)  $m\angle SZW$
- 6)  $m\angle RAW$

