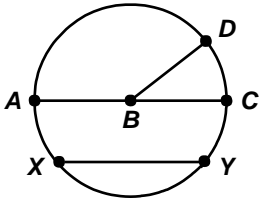


# Geometric Figures

## Skill 4 - 19F

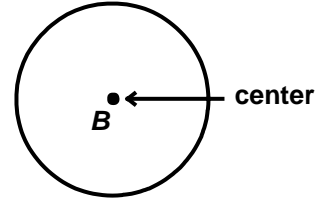
### Circles

Answers to test question 19F.

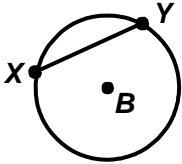


1.  $\overline{AC}$  diameter
2.  $\overline{BC}$  radius
3.  $\overline{XY}$  chord
4.  $B$  center

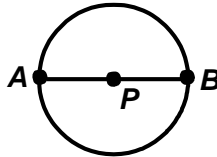
A circle is a 2-dimensional, closed figure. All points on the circle are the same distance from the center.



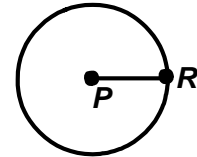
A **chord** is a line segment that joins two points on a circle.



The **diameter** of a circle is a chord that passes through the center of a circle.



The **radius** of a circle is a straight line extending from the center of a circle to a point on the circle.



### Example

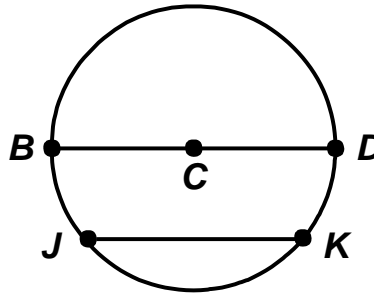
**1. Directions:** Use the circle to name the center, a chord, a diameter and a radius. This exercise is completed for you as an example.

center:  $C$

chord:  $\overline{JK}$

diameter:  $\overline{BD}$

radius:  $\overline{CD}$



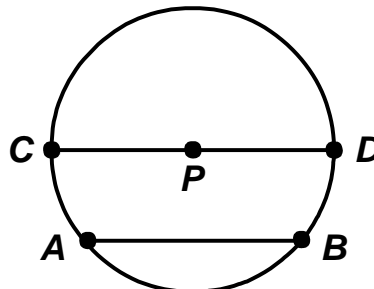
**2. Directions:** Try this one. It's similar but you write the name of the parts of a circle in words instead of symbols. The first one is done for you.  $P$  is a symbol for the center of the circle as shown in the diagram.

$P$  center \_\_\_\_\_

$\overline{PD}$  \_\_\_\_\_

$\overline{CD}$  \_\_\_\_\_

$\overline{AB}$  \_\_\_\_\_



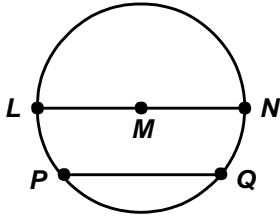
# Geometric Figures

## Skill 4 - 19F

### Circles

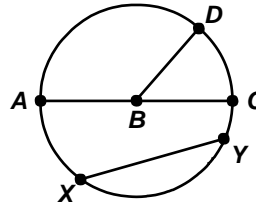
**Directions:** Name the parts of each circle below.

3. The first one is done for you.



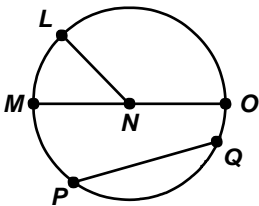
1.  $\overline{LN}$      diameter
2.  $\overline{MN}$      \_\_\_\_\_
3.  $\overline{PQ}$      \_\_\_\_\_
4.  $M$             \_\_\_\_\_

4.



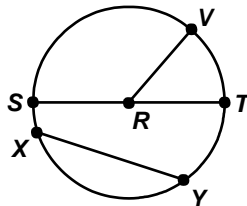
1.  $\overline{DB}$      \_\_\_\_\_
2.  $\overline{AC}$      \_\_\_\_\_
3.  $\overline{XY}$      \_\_\_\_\_
4.  $B$             \_\_\_\_\_

5.



1.  $\overline{LN}$      \_\_\_\_\_
2.  $N$             \_\_\_\_\_
3.  $\overline{PQ}$      \_\_\_\_\_
4.  $\overline{MO}$      \_\_\_\_\_

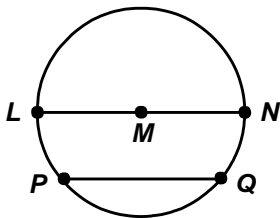
6.



1.  $\overline{VR}$      \_\_\_\_\_
2.  $\overline{XY}$      \_\_\_\_\_
3.  $\overline{ST}$      \_\_\_\_\_
4.  $R$             \_\_\_\_\_

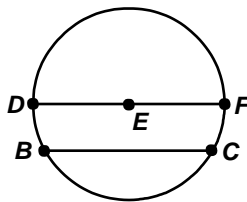
**Directions:** Write the symbol for the parts of the circle. The first one is done for you.

7. The first one is done for you.



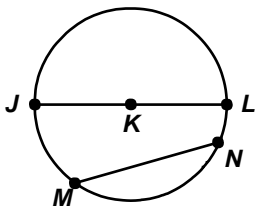
1. diameter      $\overline{LN}$
2. center        \_\_\_\_\_
3. chord        \_\_\_\_\_
4. radius        \_\_\_\_\_

8.



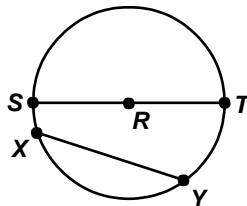
1. center        \_\_\_\_\_
2. chord        \_\_\_\_\_
3. diameter     \_\_\_\_\_
4. radius        \_\_\_\_\_

9.



1. center        \_\_\_\_\_
2. chord        \_\_\_\_\_
3. diameter     \_\_\_\_\_
4. radius        \_\_\_\_\_

10.



1. center        \_\_\_\_\_
2. chord        \_\_\_\_\_
3. diameter     \_\_\_\_\_
4. radius        \_\_\_\_\_

# Geometric Figures

## Skill 4 - 19F

### Circles

**Directions:** Draw and label a circle in each box.

11. Draw and label a circle.

*radius:*  $\overline{PB}$

*diameter:*  $\overline{AB}$

*chord:*  $\overline{RS}$

*center:*  $P$

12. Draw and label a circle.

*radius:*  $\overline{YZ}$

*diameter:*  $\overline{XZ}$

*chord:*  $\overline{LM}$

*center:*  $Y$

13. Draw and label a circle.

*radius:*  $\overline{EF}$

*diameter:*  $\overline{DF}$

*chord:*  $\overline{BC}$

*center:*  $E$

14. Draw and label a circle.

*radius:*  $\overline{KL}$

*diameter:*  $\overline{JL}$

*chord:*  $\overline{AB}$

*center:*  $K$

15. Draw and label a circle.

*radius:*  $\overline{QR}$

*diameter:*  $\overline{PR}$

*chord:*  $\overline{ST}$

*center:*  $Q$

16. Draw and label a circle.

*radius:*  $\overline{WV}$

*diameter:*  $\overline{UV}$

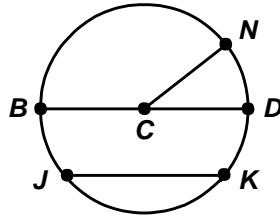
*chord:*  $\overline{CD}$

*center:*  $W$

Answers: Skill 19F Grade 4

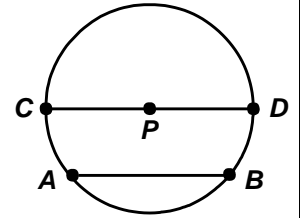
**1. Directions:** Use the circle to name the center, a chord, a diameter and a radius.

center:  $C$   
 chord:  $\overline{JK}$   
 diameter:  $\overline{BD}$   
 radius:  $\overline{CD}$



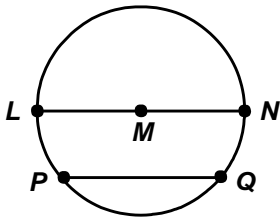
**2. Directions:** Name the parts of the circle below.

$P$  center  
 $\overline{PD}$  radius  
 $\overline{CD}$  diameter  
 $\overline{AB}$  chord



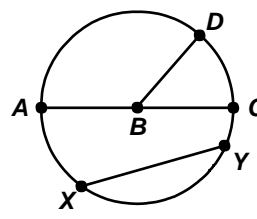
**Directions:** Name the parts of each circle below.

3.



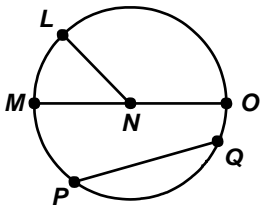
1.  $\overline{LN}$  diameter
2.  $\overline{MN}$  radius
3.  $\overline{PQ}$  chord
4.  $M$  center

4.



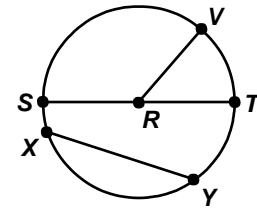
1.  $\overline{DB}$  radius
2.  $\overline{AC}$  diameter
3.  $\overline{XY}$  chord
4.  $B$  center

5.



1.  $\overline{LN}$  radius
2.  $N$  center
3.  $\overline{PQ}$  chord
4.  $\overline{MO}$  diameter

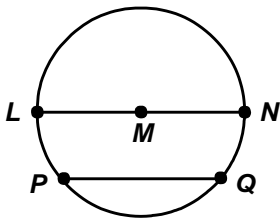
6.



1.  $\overline{VR}$  radius
2.  $\overline{XY}$  chord
3.  $\overline{ST}$  diameter
4.  $R$  center

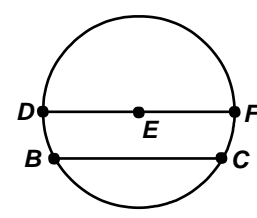
**Directions:** Write the symbol for the parts of the circle. The first one is done for you.

7.



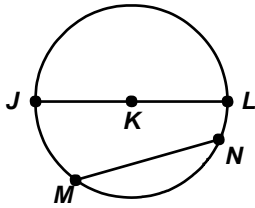
1. diameter  $\overline{LN}$
2. center  $M$
3. chord  $\overline{PQ}$
4. radius  $\overline{MN}$

8.



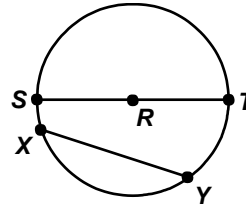
1. center  $E$
2. chord  $\overline{BC}$
3. diameter  $\overline{DF}$
4. radius  $\overline{EF}$

9.



1. center  $\underline{\underline{K}}$
2. chord  $\underline{\underline{MN}}$
3. diameter  $\underline{\underline{JL}}$
4. radius  $\underline{\underline{KL}}$

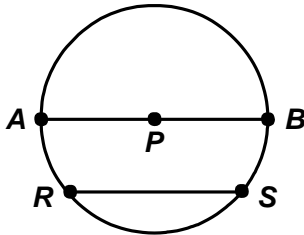
10.



1. center  $\underline{\underline{R}}$
2. chord  $\underline{\underline{XY}}$
3. diameter  $\underline{\underline{ST}}$
4. radius  $\underline{\underline{RT}}$

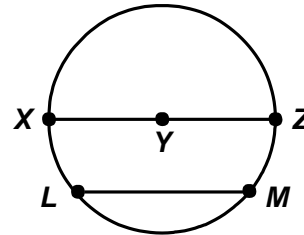
11. Draw and label a circle.

radius:  $\overline{PB}$                       diameter:  $\overline{AB}$   
 chord:  $\overline{RS}$                               center:  $P$



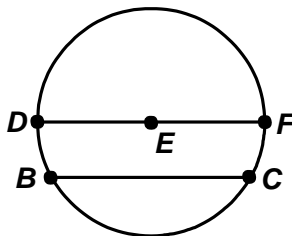
12. Draw and label a circle.

radius:  $\overline{YZ}$                               diameter:  $\overline{XZ}$   
 chord:  $\overline{LM}$                               center:  $Y$



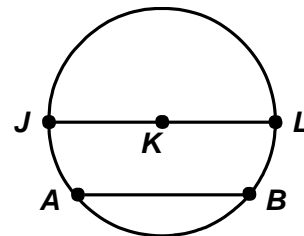
13. Draw and label a circle.

radius:  $\overline{EF}$                               diameter:  $\overline{DF}$   
 chord:  $\overline{BC}$                               center:  $E$



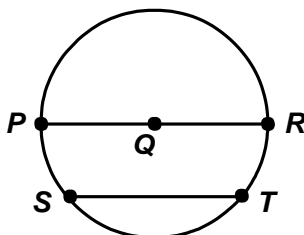
14. Draw and label a circle.

radius:  $\overline{KL}$                               diameter:  $\overline{JL}$   
 chord:  $\overline{AB}$                               center:  $K$



15. Draw and label a circle.

radius:  $\overline{QR}$                               diameter:  $\overline{PR}$   
 chord:  $\overline{ST}$                               center:  $Q$



16. Draw and label a circle.

radius:  $\overline{WV}$                               diameter:  $\overline{UV}$   
 chord:  $\overline{CD}$                               center:  $W$

