**CONSTRUCTION GEOMETRY 2: DRAWING CIRCLES & SECTORS**

1.    Draw and label the following circles.

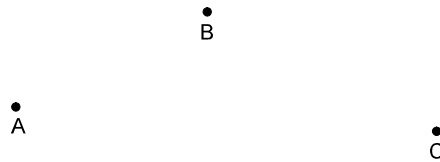a.  radius = 4.5 cm                    b.  diameter = 6 cm

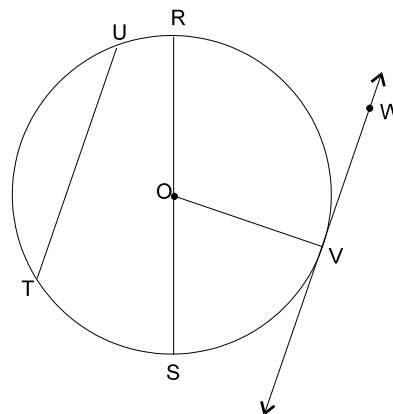c.  radius = 1.8 cm                    d.  diameter = 7.6 cm

2.    Given the points A, B and C, construct the following.

   a. a circle with centre A and radius $\overline{AC}$

   b. a circle with centre B and radius $\overline{BA}$
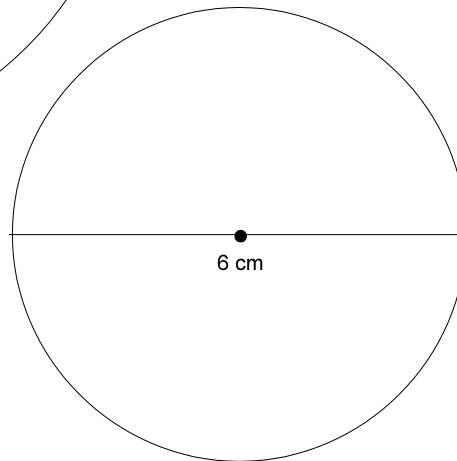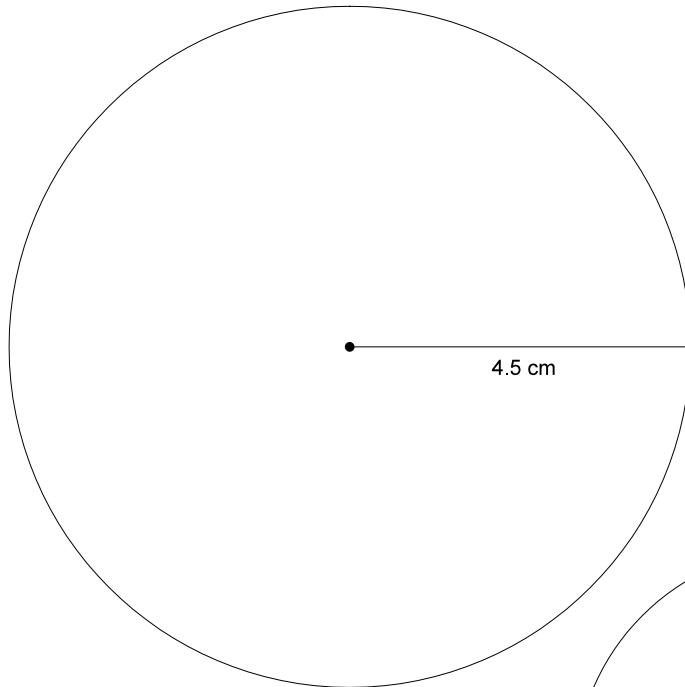
   c. a circle with centre A and radius $\overline{AB}$

•
B

•
A

•
C

3.    O is the centre of the circle.

   a. name the diameter

   b. name two chords

   c. name the tangent line

   d. measure ∠OVW

**ANSWER KEY**

1. a and b

4.5 cm

6 cm

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c and d

1.8 cm

7.6 cm

2.
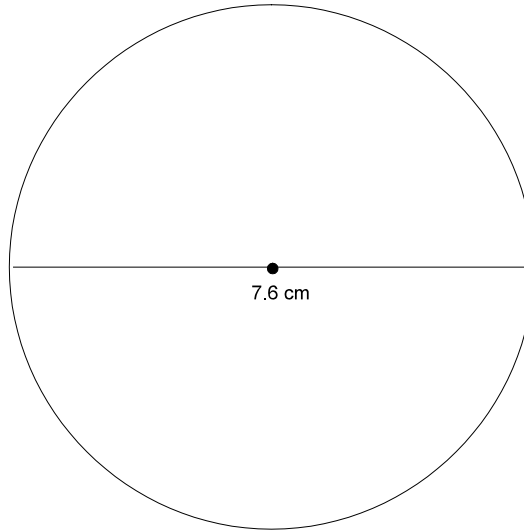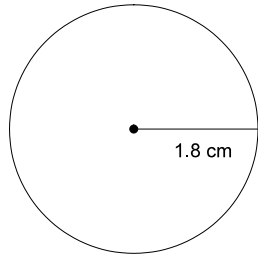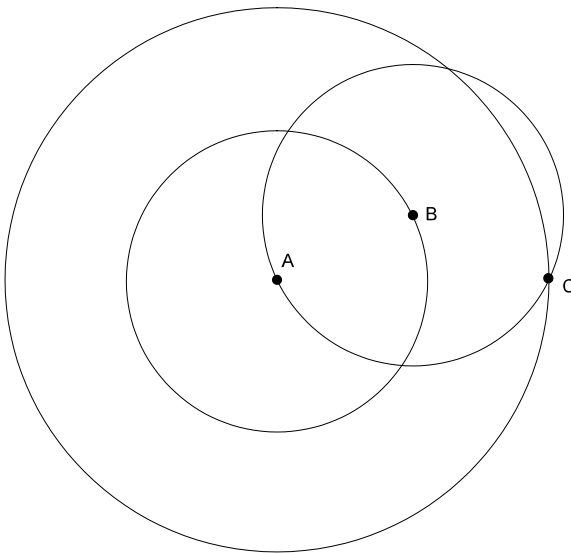
A

B

C

3. a. $\overline{RS}$　　b. $\overline{OR}, \overline{OS}, \overline{OV}$　　c. $\overline{RS}, \overline{TU}$　　d. $\overleftrightarrow{WV}$　　e. 90°

Source: Government of BC used with permission.