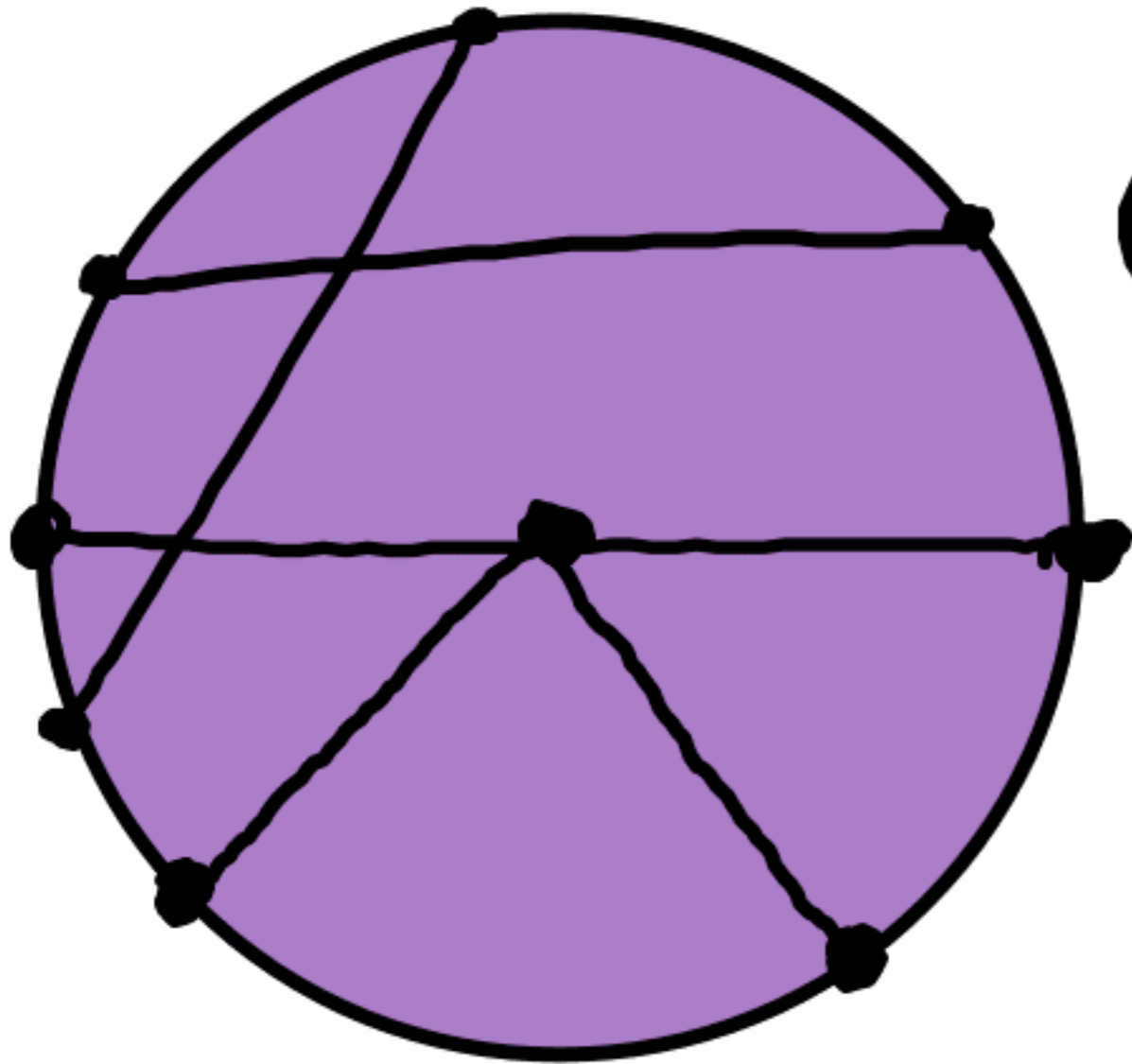
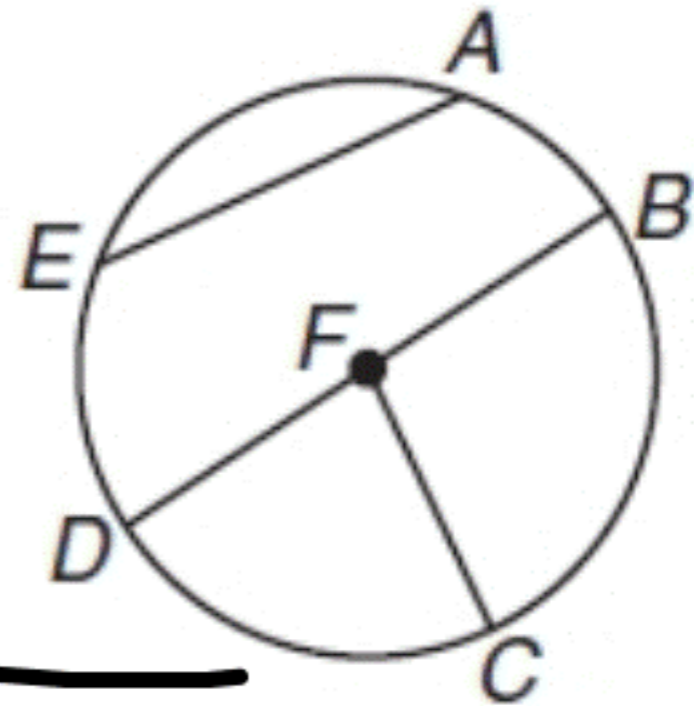


10-1 Circles & Circumference



Radius
Center

Chord(s): \overline{AE} , \overline{BD}

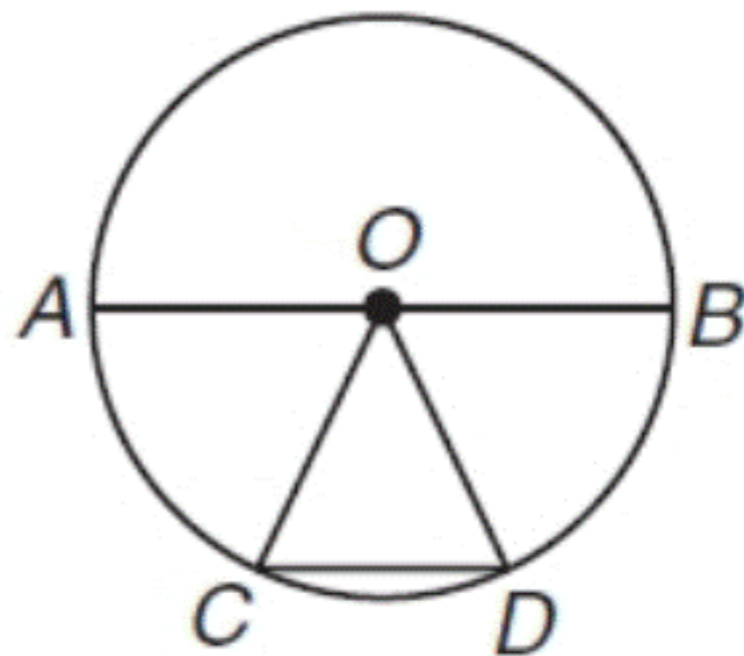


Radii: \overline{FC} , \overline{FD} , \overline{FB}

Diameter(s): \overline{DB}

Name: 

Chord(s): \overline{CD} \overline{AB}



Radii: \overline{OB} \overline{OA} \overline{OC} \overline{OD}

Diameter(s): \overline{AB}

Name: 

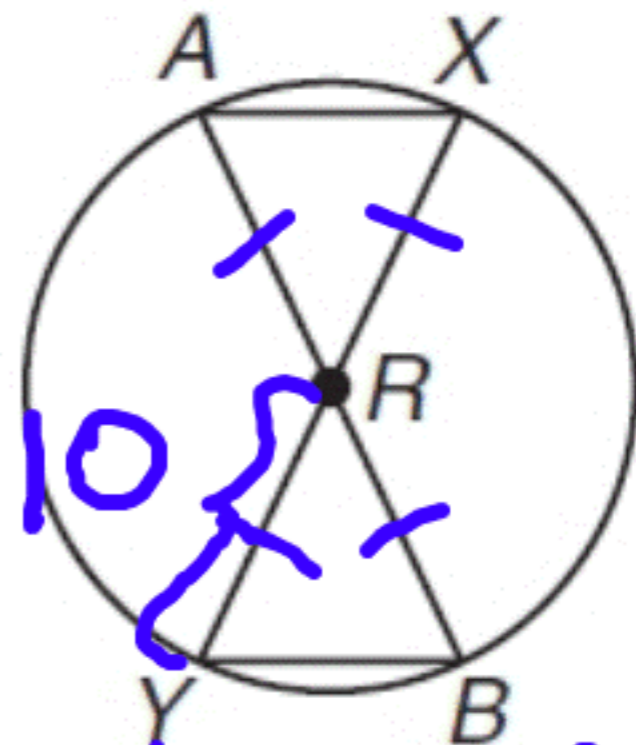
Chord(s): \overline{AX} , \overline{YB} , \overline{AB} ,

Radii:
 \overline{RA} , \overline{RX} , \overline{RY} , \overline{RB}

Diameter(s): \overline{AB} , \overline{XY}

5.) $AR = 9\text{mm}$

6.) $AR = 10\text{in}$ $AB = 20\text{in}$



Yes, they are both diameters.

$$14.) r = 4 \text{ cm}$$

$$d = 8 \text{ cm}$$

$$15.) d = 6 \text{ ft}$$

$$r = 3 \text{ ft}$$

$$16.) r = 12 \text{ cm}$$

$$d = 24 \text{ cm}$$

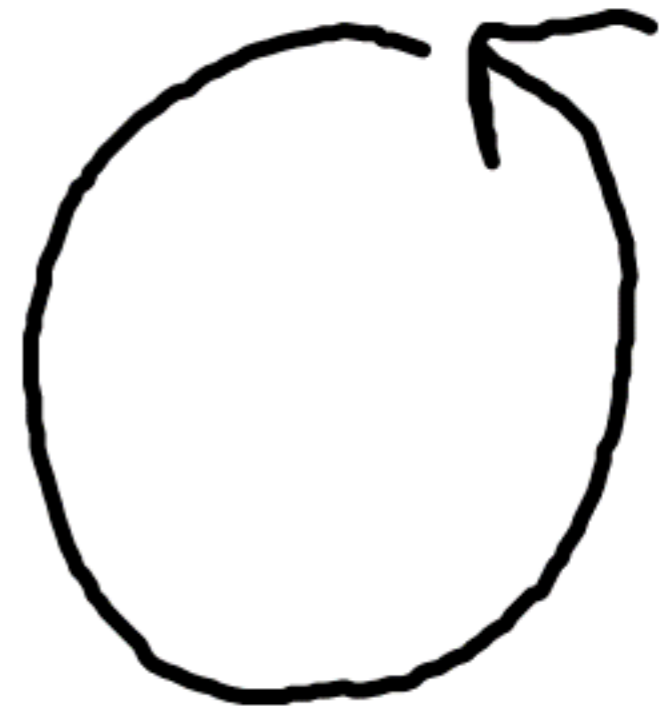
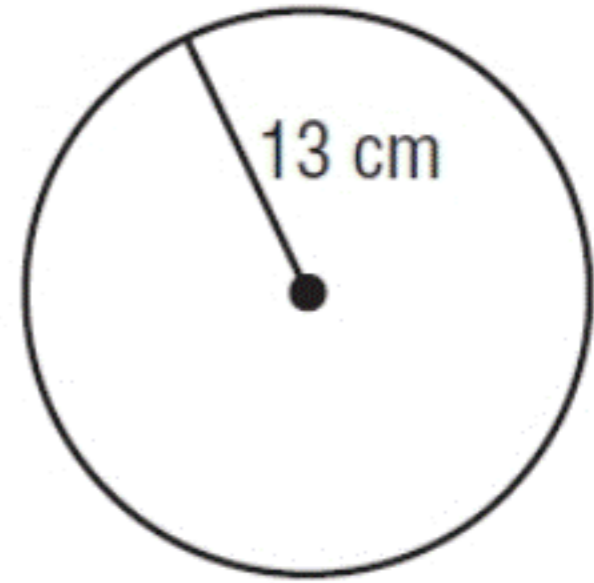
$$17.) d = 15 \text{ in}$$

$$r = 7.5 \text{ in}$$

$$\underline{C = 2\pi r} \text{ or } C = \pi d$$

$$C = 2\pi (13)$$

$$C = 26\pi \text{ cm}$$



$$C = 2\pi r$$

Find the circumference

8.) $r = 8$ cm

$$C = 2\pi(8)$$
$$= 16\pi \text{ cm}$$

9.) $r = 3\sqrt{2}$ ft

$$C = 2\pi(3\sqrt{2})$$
$$= 6\sqrt{2}\pi \text{ ft}$$

10.) $r = 4.1$ cm

$$C = 2\pi(4.1)$$
$$= 8.2\pi \text{ cm}$$

$$C = \pi d$$

Find the circumference

11.) $d = 10$ in

$$\begin{aligned} & \uparrow \sim 10 \text{ in} \\ & 10\pi \text{ in} \end{aligned}$$

12.) $r = \frac{1}{3}$ m

$$\frac{1}{3}\pi \text{ m}$$

13.) $d = 18$ yd

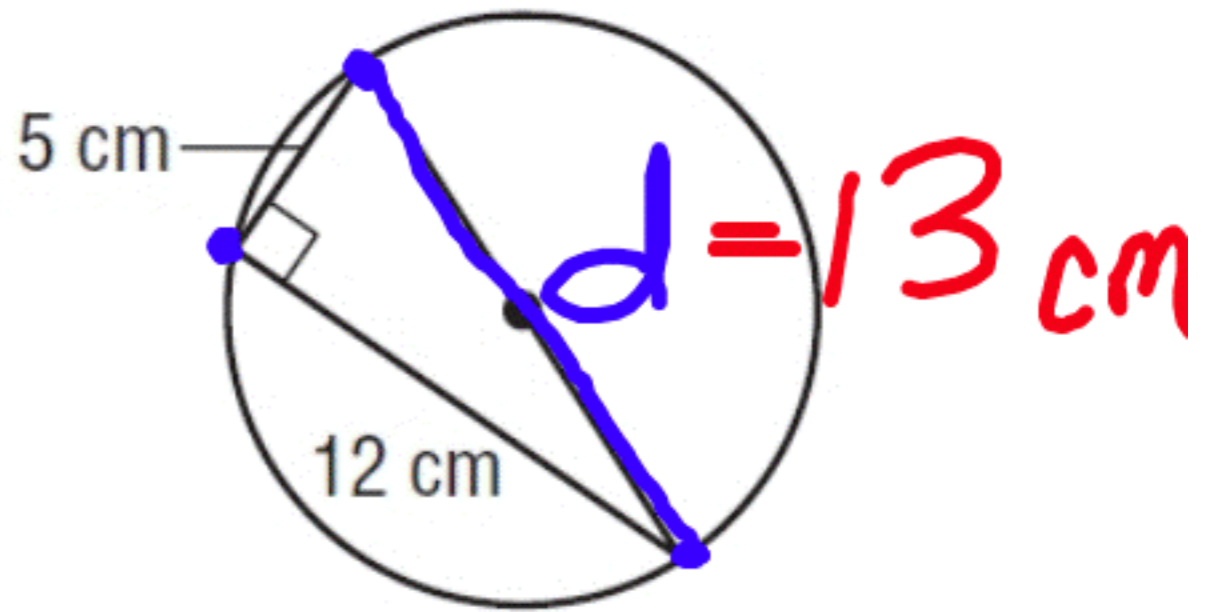
$$18\pi \text{ yd}$$

$$a^2 + b^2 = d^2$$

$$5^2 + 12^2 = d^2$$

$$\sqrt{169} = \sqrt{d^2}$$

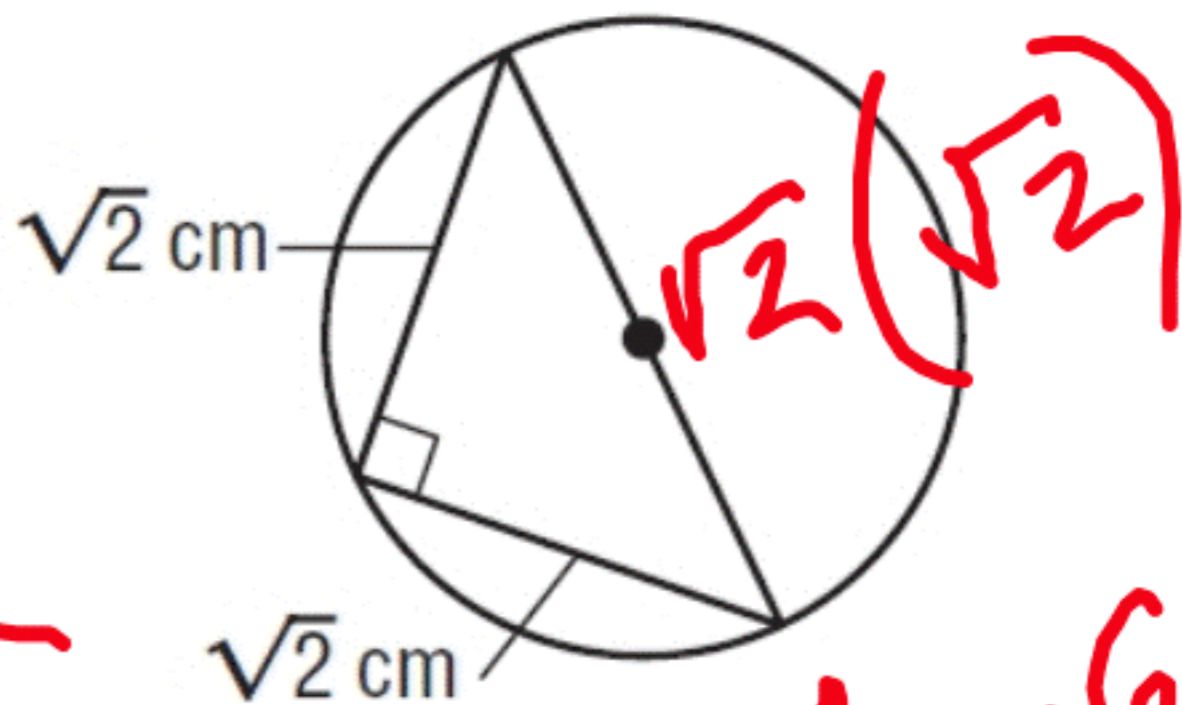
$$d = 13$$



$$C = \pi d$$

$$C = 13\pi \text{ cm}$$

$$d = 2 \text{ cm}$$



$$C = 2\pi \text{ cm}$$

$$\sqrt{2}^2 + \sqrt{2}^2 = c^2$$

$$2 + 2 = c^2$$

$$4 = c^2$$



