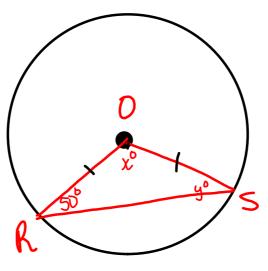
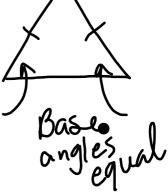


Draw a chord label AE

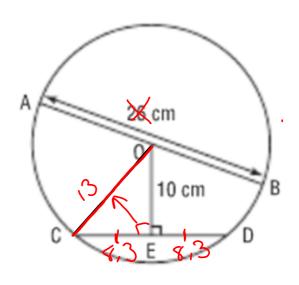
- 2. Draw a perpendicular line from the center to the chord. Label OG
- 3. Draw a radius OA 🙏





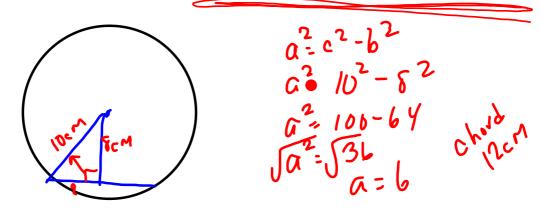
Find the length of CD. [chard]

$$a^{2} c^{2} - b^{2}$$
 $a^{2} - 13^{2} - 10^{2}$
 $a^{2} - 169 - 100$
 $a^{2} - 169$
 $a^{2} - 169$
 $a^{3} - 169$



A circle has a dianter of com.

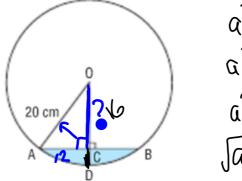
The distance from the center to the chord is 8 cm. Find the length of the chord. You MUST INCLUDE A DIAGRAM!!!



The radius of the pipe below is 20 cm. Water fills less than one-half of the pipe. The surface of the water AB is 24 cm wide.

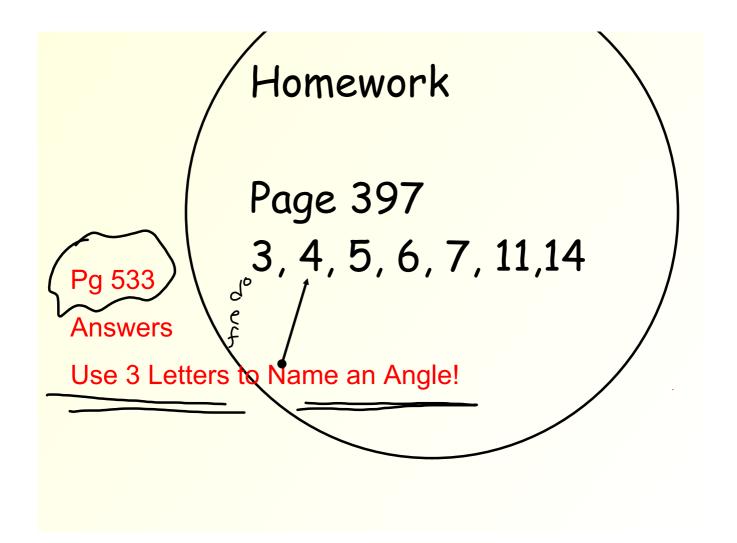
Determine the maximum depth of the water, which is the

depth CD.



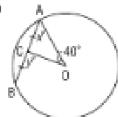
$$a^{2} = c^{2} - b^{2}$$
 $a^{2} = 20^{2} - 12^{2}$
 $a^{2} = 400 - 144$
 $\sqrt{a^{2}} = \sqrt{25}$
 $x = 16$

CD=4cM



Point O is the centre of each circle.
 Determine each value of x^a and y^a.





b)

