

Circle Geometry TASK 1 & 2 Test review

3. In each diagram, point O is the centre of each circle. Which lines are tangents?

a)

4. Point P is a point of tangency and O is the centre of each circle. Determine each value of x° .

b)

c)

4. Point O is the centre of each circle. Determine each value of a° and y° .

a)

b)

5. Point O is the centre of each circle. Label each vertex. Determine each value of y° and z° . Which circle properties did you use?

a)

6. Point P is a point of tangency and O is the centre of each circle. Determine each value of a .

a)

7. Point T is a point of tangency and O is the centre of each circle. Determine each value of d° and e° .

b)

8. Point O is the centre of the circle. Identify all the inscribed angles subtended by the minor arc NM.

c)

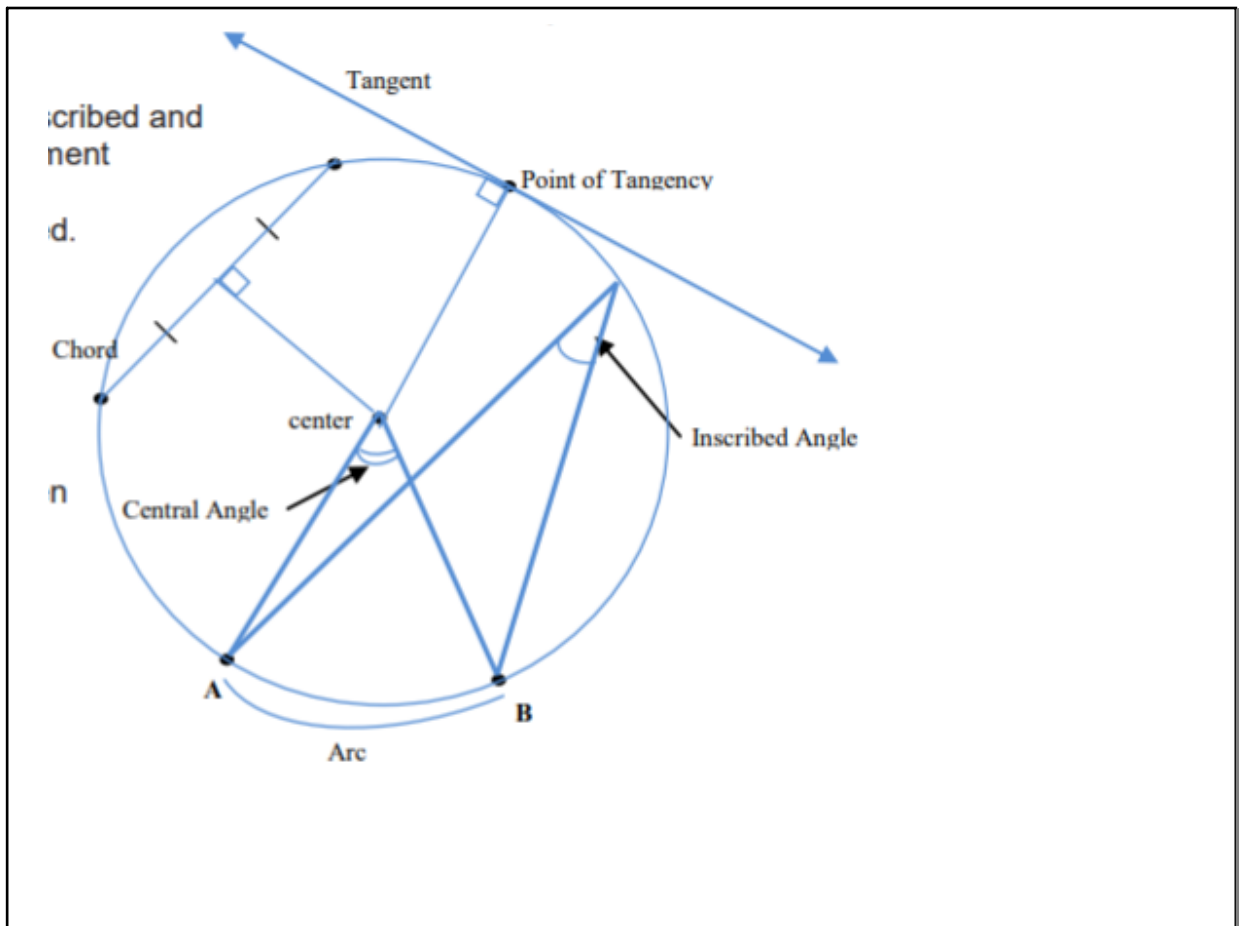
9. Point O is the centre of the circle. Determine the value of m° .

c)

10. Point O is the centre of the circle. Point B is a point of tangency. Determine the values of x , y , and z° . Give the answers to the nearest tenth where necessary. Justify the strategies you used.

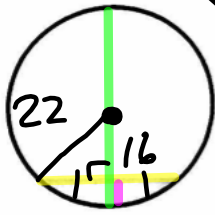
a)

Jun 6-10:14 AM

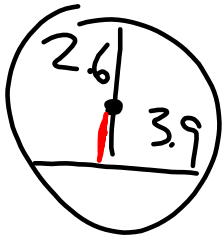


Dec 14-3:17 PM

The diagram represents the water level in a pipe. The surface of the water from one side of the pipe to the other measures 30 mm and the inner diameter of the pipe 44 mm. What is the depth of the water? Show all work!



$$22 - 16 = 6 \text{ mm}$$

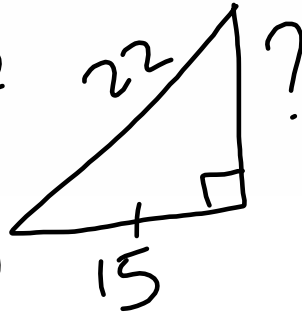


$$22^2 - 15^2 = 7^2$$

$$\sqrt{259} = 7^2$$

$$16.09 = 7^2$$

$$16 \text{ mm}$$



May 28-10:12 AM