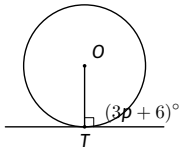


Build Tasks



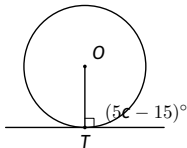
Form and solve an equation from the tangent-radius or semicircle theorem.

1.



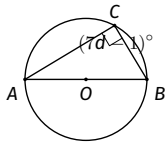
Find p .

3.



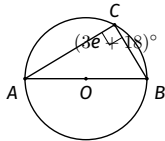
Find c .

2.



Find d .

4.



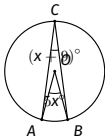
Find e .

Build Tasks



Form and solve an equation from the centre/circumference theorem.

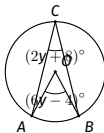
5.



Find x .

7. The centre angle is $(9m + 3)^\circ$. The same-arc circumference angle is $(3m + 9)^\circ$. Find m .

6.



Find y .

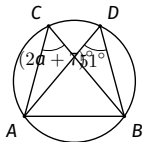
8. The centre angle is 140° . The circumference angle is $(4n - 10)^\circ$. Find n .

Build Tasks



Form and solve an equation from the same-segment or cyclic-quadrilateral theorem.

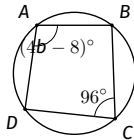
9.



Find a .

11. Two angles in the same segment are $(6r - 5)^\circ$ and 73° . Find r .

10.



Find b .

12. Opposite angles in a cyclic quadrilateral are $(2s + 14)^\circ$ and $(s + 76)^\circ$. Find s .