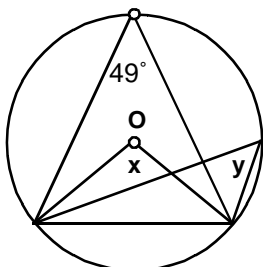


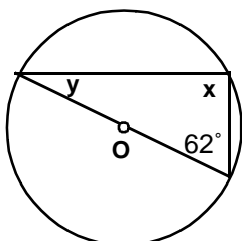
7.3 Angles in a Circle Worksheet

1.



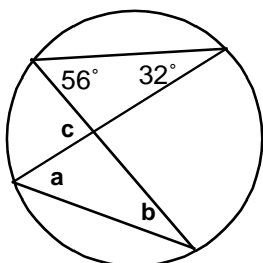
x =
y =

2.



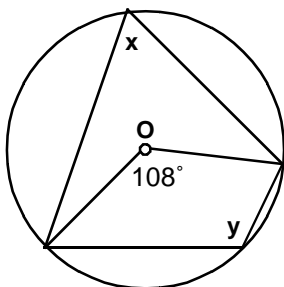
x =
y =

3.



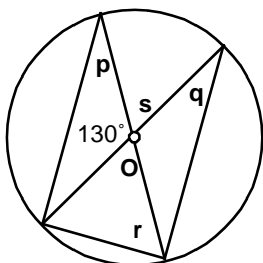
a =
b =
c =

4.



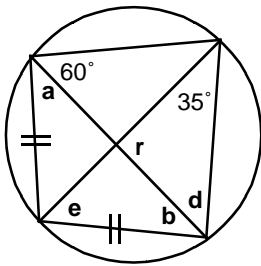
x =
y =

5.



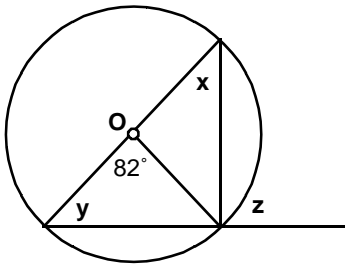
p =
q =
r =
s =

6.



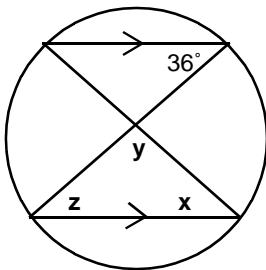
a =
b =
d =
e =
r =

7.



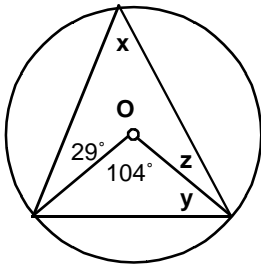
x =
y =
z =

8.



x =
y =
z =

9.



x =
y =
z =

10. Given: $PQ \parallel SR$

Prove: $PS = QR$

Statements	Reasons

11. The diameter AB of a circle is 41 cm long. Chord AC of the same circle is 40 cm long. Find the length of BC .

12. AB and CD are two chords of a circle. The chords intersect at E. Use similar triangles to prove that $AE \times EB = CE \times ED$.

Statements	Reasons