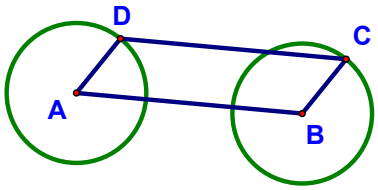
9.

Given: $\odot A \cong \odot B$
$\overleftrightarrow{AD} \parallel \overleftrightarrow{BC}$

Prove: ABCD is a parallelogram

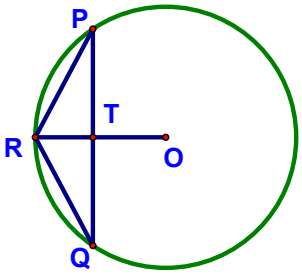


Statements	Reasons

10.

Given: $\odot O$
$\overleftrightarrow{OR}$ bisects $\overline{PQ}$

Prove: $\overrightarrow{RO}$ bisects $\angle PRQ$



Statements	Reasons

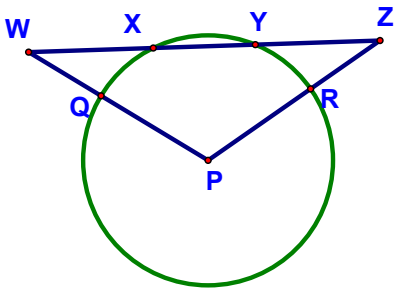
14.

Two circles intersect and have a common chord 24 cm long. The centers of the circles are 21 cm apart. The radius of one circle is 13 cm. Find the radius of the other circle.

20.

Given: $\odot P$
$\overline{WX} \cong \overline{ZY}$

Prove: $\overline{WQ} \cong \overline{ZR}$



Statements	Reasons

22.

Find the radius of a circle in which a 48 cm. chord is 8 cm closer to the center than a 40 cm chord.

24.

An isosceles triangle with each leg measuring 13 is inscribed in a circle. If the altitude to the base of the triangle is 5, find the radius of the circle.

25.

Two circles intersect and have a common chord. The radii of the circles are 13 and 15. The distance between their centers is 14. Find the length of their common chord.