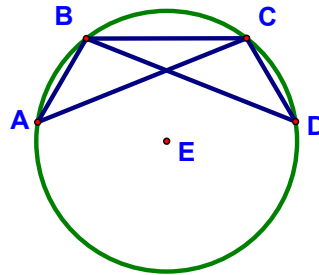


8.

Given: $\odot E$
 $\overline{AB} \cong \overline{CD}$

Prove: $\overline{BD} \cong \overline{AC}$



Statements

Reasons

9.

What fractional part of a circle is an arc that measures

a. 8

c. 144

10.

Find the measure of an arc that is

a. $\frac{3}{5}$ of a \odot c. 70% of its \odot

12.

Find the length of a chord that cuts off an arc measuring 60° in a \odot with radius 12.

13a.

Find the length of an arc that is $\frac{5}{8}$ of the circumference of a circle with radius 12.

13b.

Find the length of an arc that has a measure of 270° and is part of a circle with radius 12

18.

A polygon is inscribed in a \odot if all of its vertices lie on the \odot . Find the measure of the arc cut off by a side of each of the following inscribed polygons.

a. A regular hexagon

b. A regular pentagon

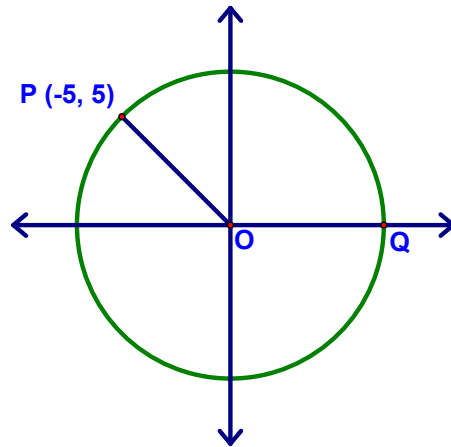
c. A regular octagon

19.

Point P is located at $(-5, 5)$.

a. Find the radius of $\odot O$

b. Find the measure of \widehat{PQ}



24.

Given: $\odot P \cong \odot Q$
 $XY = 8$
 $RP = QS = 1$

Find: PQ

