Parts of a Circle Worksheet

Geometry

Grades 9 to 12

Questions

Name: ....

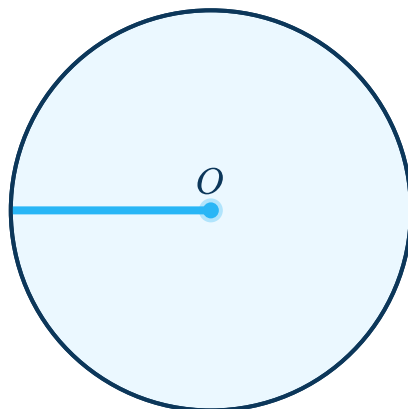Date: ....

1   Identify the part of the circle that is represented by the blue point.

O
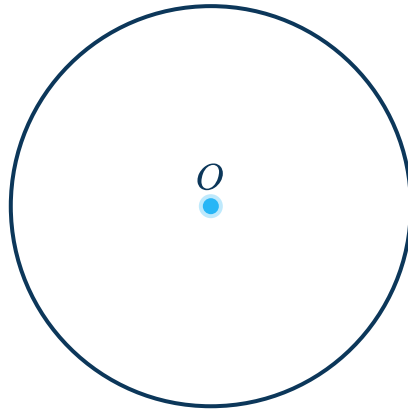
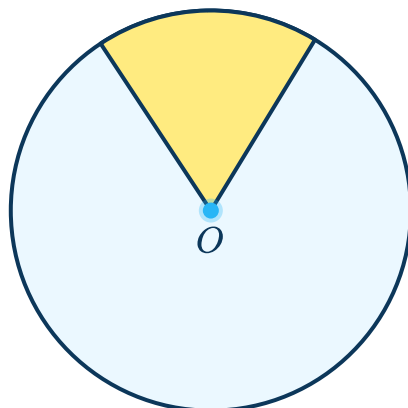*Answer*

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2   Observe the circle below. What is the name of the blue line that starts from the center and extends to the edge of the circle?
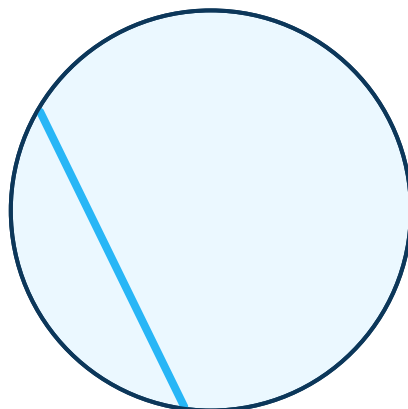
O

Answer

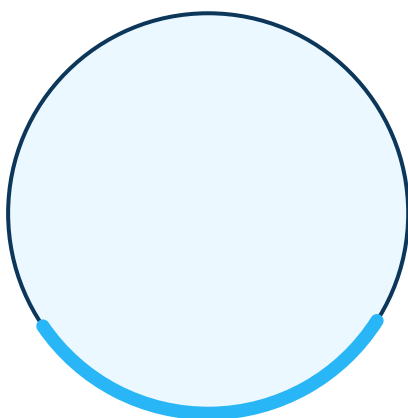**3**   In the circle below, identify the part of the circle that is highlighted in yellow.

O

Answer

4   Look at the circle below. What is the term for the blue line segment connecting two points on the circle's edge but not passing through the center?
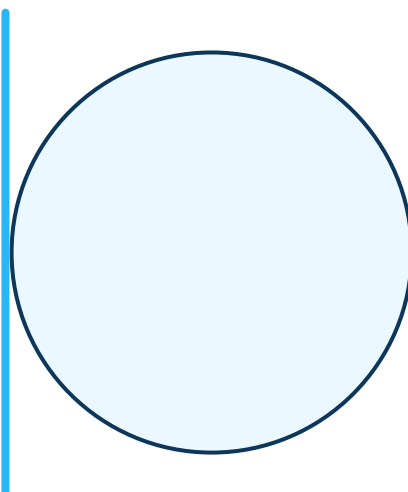
Answer

5   Using the circle below, identify the part of the circle that is the highlighted section on the edge of the circle.
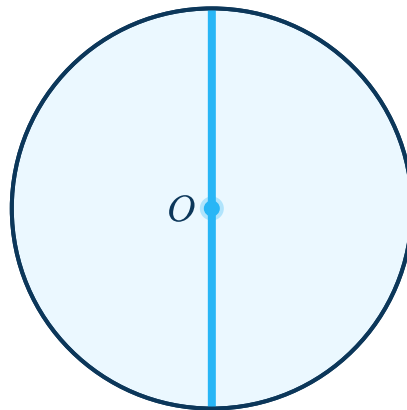
Answer

6   Identify the blue line that touches the circle at exactly one point without crossing it.
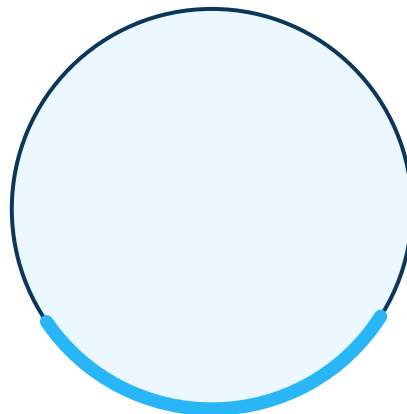
Answer

7   What is the name of the blue line segment that passes through the center and touches both sides of the circle?
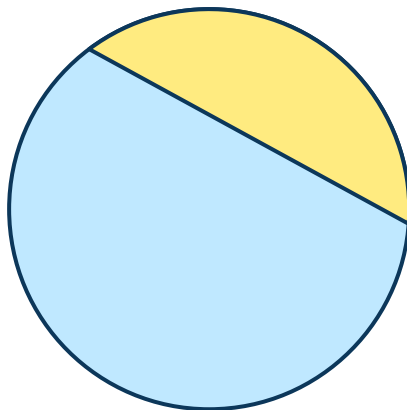

Answer

8   Look at the circle below. What type of arc is highlighted in blue?
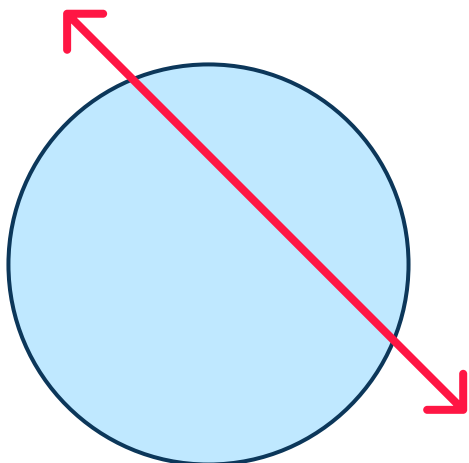

Answer

9   Look at the circle below. What is the shaded part of the circle called?
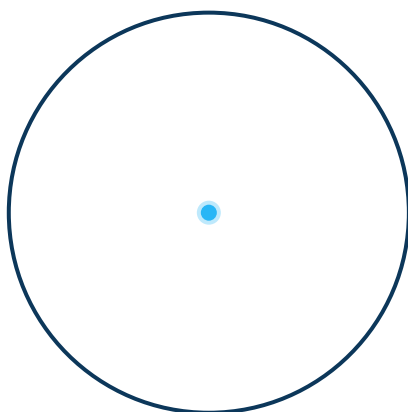

Answer

10 Using the circle below, identify the type of line that is represented by the blue line.

Answer

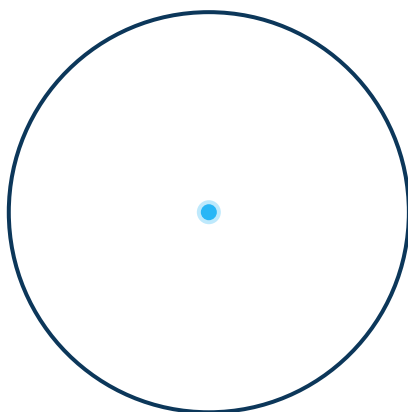**11** Using the circle below, perform the following tasks:
- Draw and label a chord.
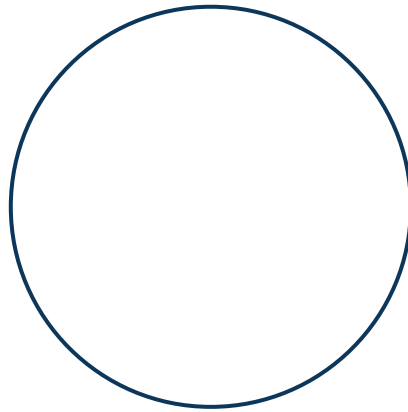- Label the center of the circle as point O.

Answer

12 Given the circle below, sketch and label the following parts:
- Radius
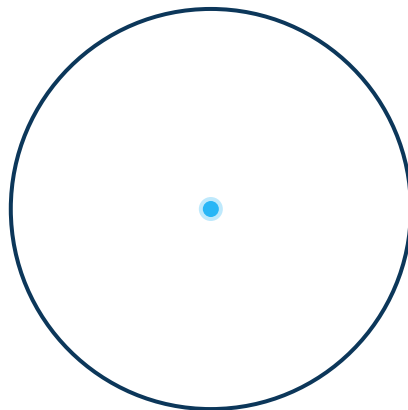- Diameter
- Circumference

Answer

13 Using the circle below, sketch a tangent line and a secant line.

Answer
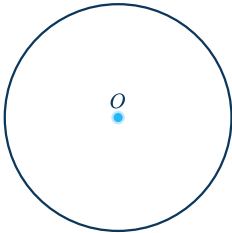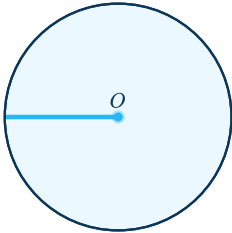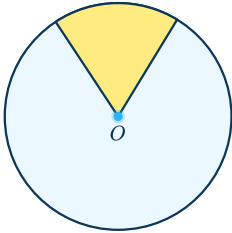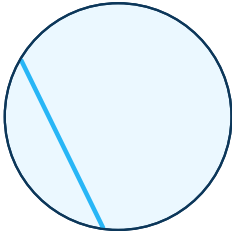
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14 On the circle provided, do the following tasks:

- Highlight minor arc AB.

- Highlight major arc ACB.
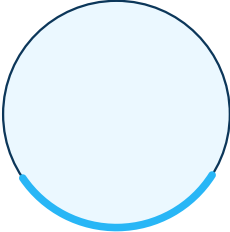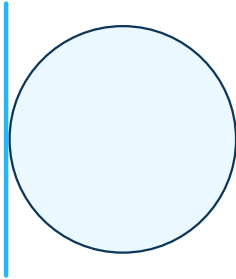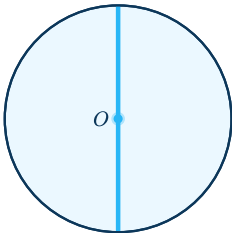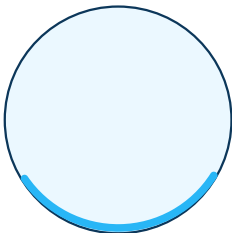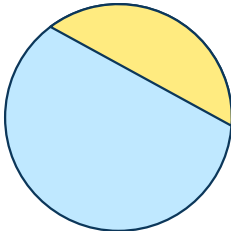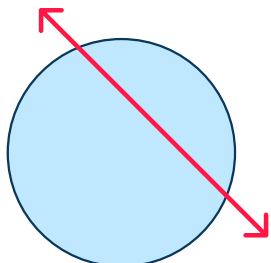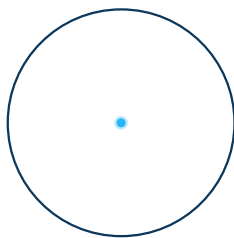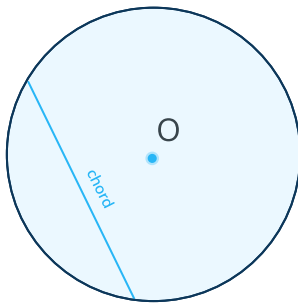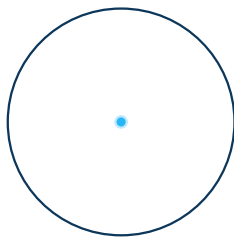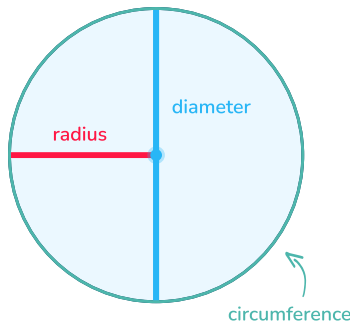
Answer

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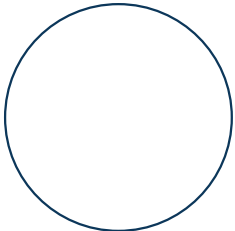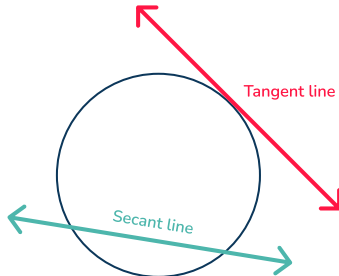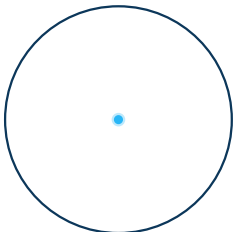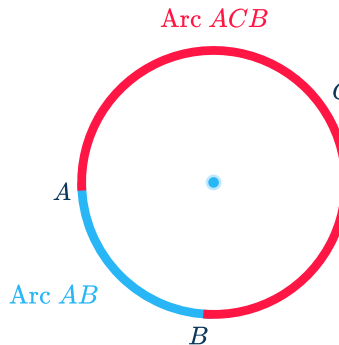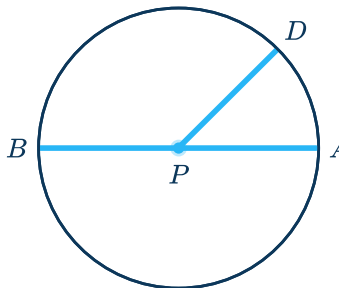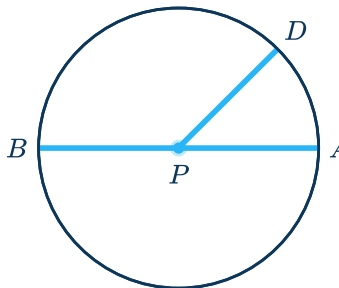
15 Sketch a circle that has diameter AB, center P and radius PD.

Answers

Question number	Question	Answers	Standard
1	Identify the part of the circle that is represented by the blue point.	Center	HS.G.C.A.2
2	Observe the circle below. What is the name of the blue line that starts from the center and extends to the edge of the circle?	Radius	HS.G.CO.A.1
3	In the circle below, identify the part of the circle that is highlighted in yellow.	Sector	HS.G.CO.A.1
4	Look at the circle below. What is the term for the blue line segment connecting two points on the circle's edge but not passing through the center?	Chord	HS.G.CO.A.1

Parts of a Circle Worksheet | Grades 9 to 12 | Answers

Question number	Question	Answers	Standard
5	Using the circle below, identify the part of the circle that is the highlighted section on the edge of the circle.	Arc	HS.G.CO.A.1
6	Identify the blue line that touches the circle at exactly one point without crossing it.	Tangent line	HS.G.C.A.2
7	What is the name of the blue line segment that passes through the center and touches both sides of the circle?	Diameter	HS.G.CO.A.1
8	Look at the circle below. What type of arc is highlighted in blue?	Minor arc	HS.G.CO.A.1

Parts of a Circle Worksheet | Grades 9 to 12 | Answers

Question number	Question	Answers	Standard
9	Look at the circle below. What is the shaded part of the circle called?	Segment of a circle	HS.G.C.A.2
10	Using the circle below, identify the type of line that is represented by the blue line.	Secant line	HS.G.C.A.2
11	Using the circle below, perform the following tasks: - Draw and label a chord. - Label the center of the circle as point O.		HS.G.CO.A.1
12	Given the circle below, sketch and label the following parts: - Radius - Diameter - Circumference		HS.G.CO.A.1

Question number	Question	Answers	Standard
13	Using the circle below, sketch a tangent line and a secant line.	Tangent line / Secant line	HS.G.C.A.2
14	On the circle provided, do the following tasks: - Highlight minor arc AB. - Highlight major arc ACB.	Arc ACB / Arc AB	HS.G.CO.A.1
15	Sketch a circle that has diameter AB, center P and radius PD.		HS.G.CO.A.1

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