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Circle Geometry

Multi-choice

How Can I Use This Material?

In summary, if you work in a school, you can copy and/or modify it and use it with your students. We hope that this material will help you write your tests, worksheets, exams, presentations and any other educational materials. You cannot claim copyright over the material or present it as your own work.
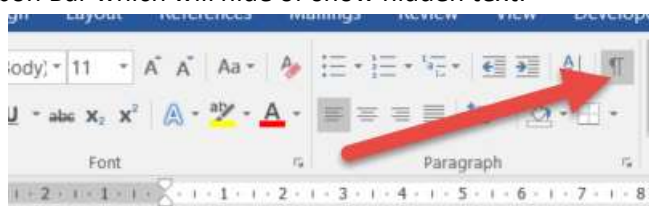
A full Acceptable Use FAQ is available on our website (Acceptable Use FAQ).

How Do I Use The Videos?

1. Copy the link into your web browser.
2. Left clicks have a quiet click sound.
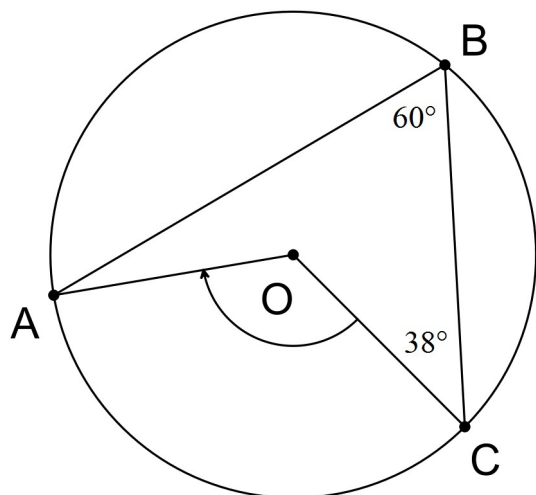3. Right clicks have a loud click sound.

Where Are The Solutions?

Solutions are only available in the Word docx format of the resources. Press this button on the Home Tab of the Ribbon Bar which will hide or show hidden text.

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Question

What is the size of $\angle AOC$? (Note: Diagram is not to scale)

a)   76°
b)   19°
c)   120°
d)   30°

[1 Mark]

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Question

What is the value of the pronumeral x? (Note: Diagram is not to scale)

a)   23°
b)   67°
c)   46°
d)   134°

[1 Mark]

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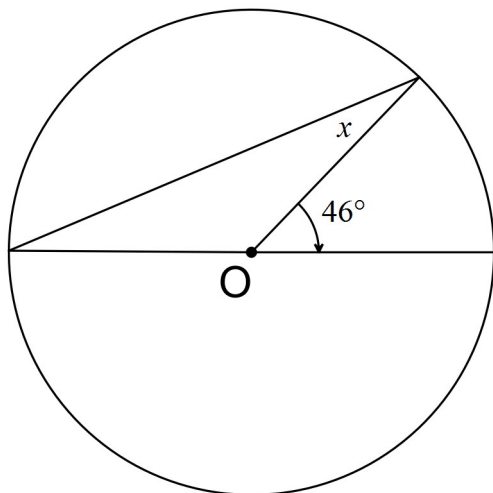
Question

What are the values of the pronumerals x and y? (Note: Diagram is not to scale)
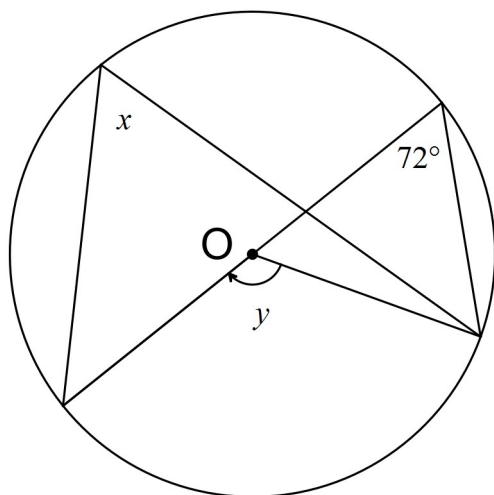
a) $x = 36°$ and $y = 144°$

b) $x = 72°$ and $y = 36°$

c) $x = 36°$ and $y = 72°$

d) $x = 72°$ and $y = 144°$

[1 Mark]

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Question

What are the values of the pronumerals x and y? (Note: Diagram is not to scale)
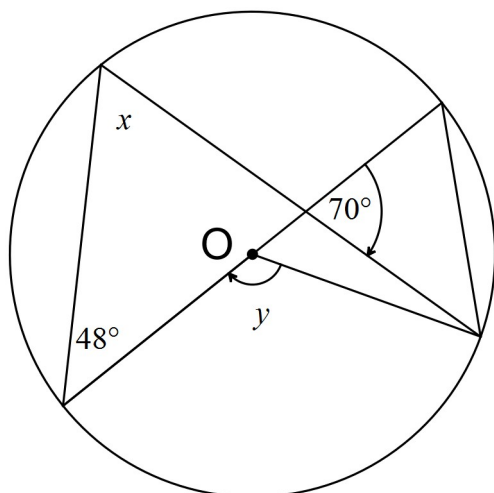
a) $x = 70°$ and $y = 140°$

b) $x = 62°$ and $y = 132°$

c) $x = 48°$ and $y = 96°$

d) $x = 62°$ and $y = 140°$

[1 Mark]

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Question

What is the value of the pronumeral x? The two lines from P are tangential to the circle. (Note: Diagram is not to scale)
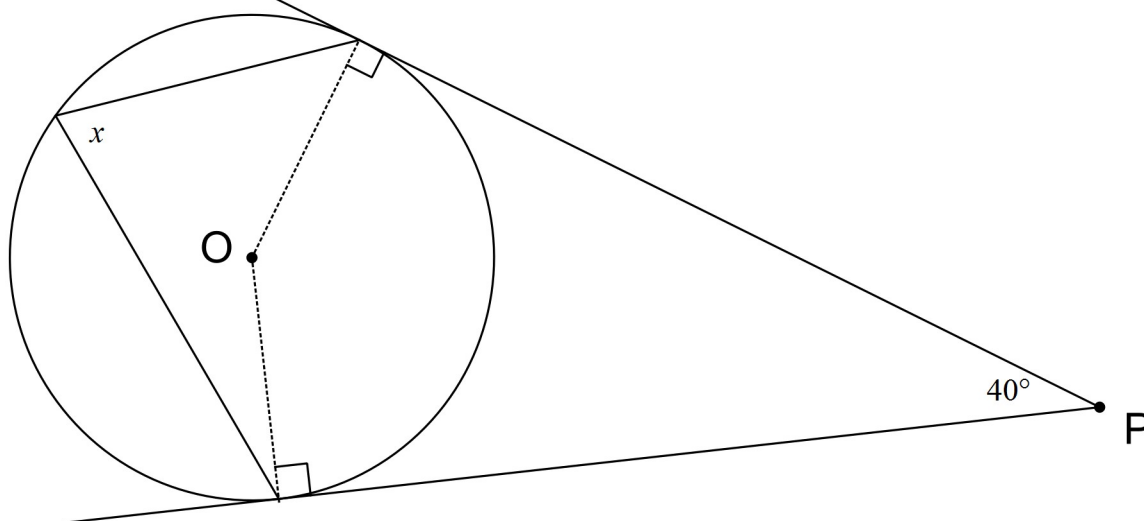
a) $x = 70°$
b) $x = 40°$
c) $x = 80°$
d) $x = 20°$

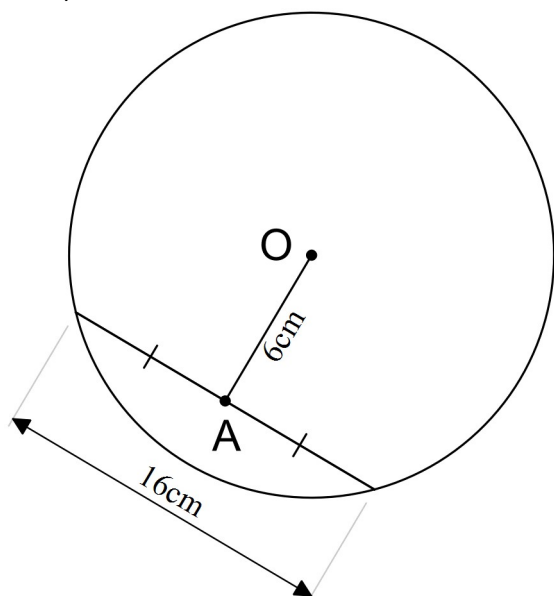[1 Mark]

How We Drew The Diagram
http://www.youtube.com/v/2FYUrvtXhws&hd=1&autoplay=1

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Question

What is the radius of the circle given that P is the mid-point of the chord? (Note: Diagram is not to scale)

a)   16 cm
b)   6 cm
c)   8 cm
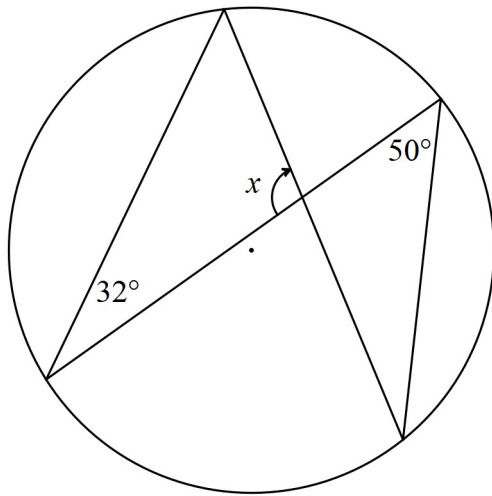d)   10 cm

[1 Mark]

How We Drew The Diagram

http://www.youtube.com/v/Y5fVCP869BE&hd=1&autoplay=1

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Question

What is the value of the pronumeral x? (Note: Diagram is not to scale)

a) $x = 103°$
b) $x = 82°$
c) $x = 98°$
d) $x = 118°$

[1 Mark]

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Question

What is the value of the pronumeras x? (Note: Diagram is not to scale)
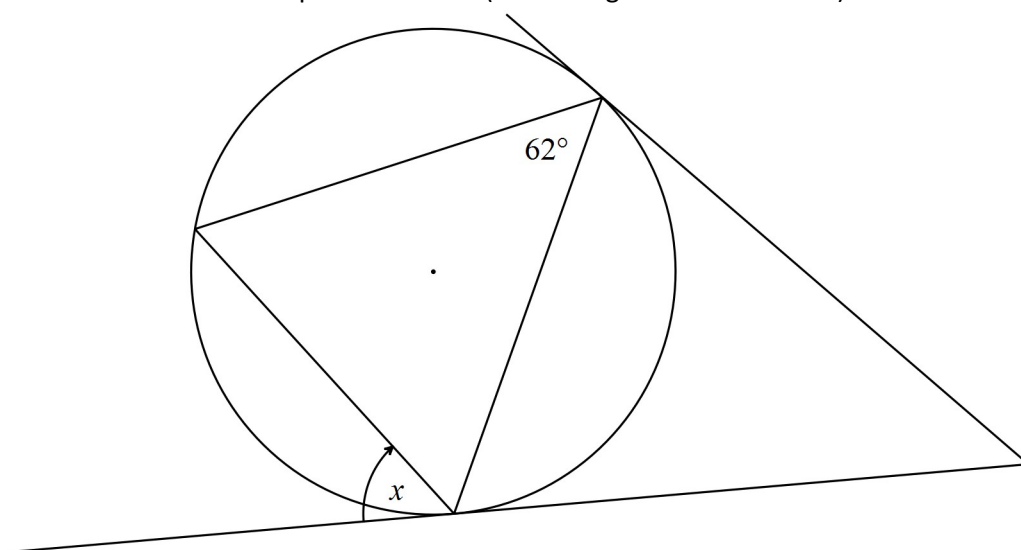
a) $x = 90°$

b) $x = 62°$

c) $x = 53°$

d) $x = 59°$

[1 Mark]