Oct 26-8:13 AM

Oct 26-8:41 AM

Oct 26-2:56 PM

Oct 26-8:38 AM

Oct 26-8:38 AM

Oct 29-1:38 PM

Geometry   Name_____   ID: 1
Circles, Chords & Secants   Date_____ Period____

Solve for x. Assume that lines which appear tangent are tangent.

Oct 26-11:09 AM

On a new sheet of paper (you can 1/2 with someone).

Write 3 circle problems, using your new
chord, tangent, secant rules.

Turn these in!!

Oct 29-1:43 PM

October 30, 2018, Tuesday

From you notes - write one of the 'new' circle rules

we covered yesterday (circles with chords, secants, and tangents).

Oct 26-8:23 AM

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https://www.mathwarehouse.com/geometry/circle/tangent-secant-side-length.php

Math Warehouse

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Math Gifs | Algebra | Geometry | Trigonometry | Calculus | Teacher Tools ▾

Side Length of Tangent & Secant of a Circle
Tangents, secants, Side Lengths Theorems & Formula

Review the three rules, then try each problem BEFORE
you look at the answer!

Oct 26-11:10 AM

October 31, 2018, Wednesday

Solve for x. Assume that lines which appear tangent are tangent.

1)

2)

3)

You have 3 chord, secant, tangent rules relating to a circle...
how will you remember these for the EOC?

Oct 26-8:23 AM

Geometry   Name_____   ID: 1
Find the correct Circle Chord & Secant Rule   Date_____ Period____

Solve for x. Assume that lines which appear tangent are tangent.

Oct 26-11:07 AM

Oct 26-11:08 AM

Geometry | Name_____ ID: 1
Find the correct Circle Chord & Secant Rule | Date_____ Period____

Solve for x. Assume that lines which appear tangent are tangent.

1) 16
2) 2
3) 14
4) 24
5) 10
6) 32
7) 6
8) 12
9) 11
10) 21

Oct 26-8:23 AM

November 1 2018, Thursday

Oct 26-2:57 PM

What is circumference?
Draw a pic of circumference.
Find C if r = 2.
What is 1/2 of the circumference? 1/4? 3/4?
How many degrees are 1/2, 1/4, 3/4, & 1 around a circle?
Look at p730 (copy) what is m??
What is area?
What if I want a piece of area?
Look at p 738 (copy). What is m?

Oct 26-2:54 PM

Arc Length

The arc length, s, of an arc with measure $m°$ and radius r is given by the formula $s = \frac{m}{360} \cdot 2\pi r$.

Oct 26-11:15 AM

Geometry | Name_____ ID: 1
Circle circumference to arc length | Date_____ Period____

Find the diameter of each circle. Round your answer to the nearest tenth.

1)

Find the radius of each circle. Round your answer to the nearest tenth.

2)

Find the circumference of each circle. Use your calculator's value of π. Round your answer to the nearest tenth.

3)   4)

Oct 26-11:16 AM

Find the length of each arc. Round your answers to the nearest tenth. Remember arc length is a 'piece' of the circumference.

5)   6)
7)   8)
9)   10)
11)   12)

Geometry   Name_____ ID: 1
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Circle circumference to arc length   Date_____ Period____

Find the diameter of each circle. Round your answer to the nearest tenth.

1)
3 km
6 km

Find the radius of each circle. Round your answer to the nearest tenth.

2)
24 yd
12 yd

Find the circumference of each circle. Use your calculator's value of π. Round your answer to the nearest tenth.

3)
3 km
18.8 km

4)
12.2 m
38.3 m

Oct 26-11:16 AM

Find the length of each arc. Round your answers to the nearest tenth. Remember arc length is a 'piece' of the circumference.

5)
15 ft
120°
31.4 ft

6)
248°
11 km
46.1 km

7)
45° 7 km
5.5 km

8)
218°
17 cm
62.3 cm

9)
17 km 315°
93.5 km

10)
7 m 60°
7.3 m

11)
7 cm 285°
34.8 cm

12)
60° 5 cm
5.2 cm

Oct 26-11:16 AM

Geometry   Name_____ ID: 1
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Circumference of a circle...what is 'part' of a circumference called?

Find the circumference of each circle. C = 2(pi)r Round your answer to the nearest tenth.

1) 12 mi
2) 4 cm
3) 2.3 km
4) 9.4 m
5) 10.9 cm
6) 9 in
7) 16 m
8) 12 km

Oct 26-11:22 AM

Geometry   Name_____ ID: 1
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Circumference of a circle...what is 'part' of a circumference called?

Find the circumference of each circle. C = 2(pi)r Round your answer to the nearest tenth.

1) 12 mi
75.4 mi

2) 4 cm
25.1 cm

3) 2.3 km
14.5 km

4) 9.4 m
59.1 m

5) 10.9 cm
68.5 cm

6) 9 in
56.5 in

7) 16 m
50.3 m

8) 12 km
37.7 km

Oct 26-11:23 AM

Area of a Sector

The area A of a sector with a central angle of $m°$ of a circle with radius r is given by
$A = \frac{m}{360} \cdot \pi r^2$

Oct 26-2:55 PM

Geometry   Name_____ ID: 1
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The sector...a piece of a circle   Date_____ Period____

Find the area of each sector. Round your answers to the nearest tenth.

1) 15 in 135°
2) 13 mi 30°
3) 60° 15 mi
4) 12 cm 225°
5) 270° 8 in
6) 218° 11 yd
7) 14 yd 120°
8) 6 cm
9) 8 ft 60°
10) 225° 10 mi

Oct 26-11:27 AM

Oct 26-11:27 AM

November 2, 2018, Friday

Oct 26-8:23 AM

Oct 26-12:23 PM