<u>Good afternoon</u>: no warm up, check hw answers now; we will randomize then start our lesson when the bell rings

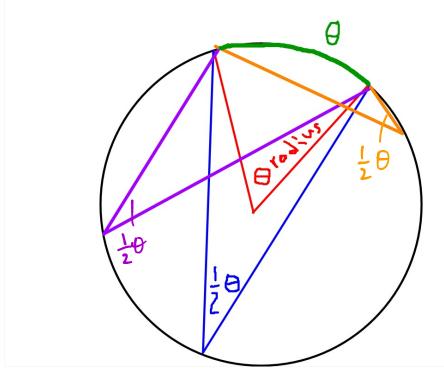
1)
$$\frac{35\pi}{3}$$
 in 2) $\frac{56\pi}{3}$ yd 3) $\frac{55\pi}{3}$ yd 4) $\frac{25\pi}{3}$ cm
9) $\frac{112\pi}{3}$ yd² 10) $\frac{392\pi}{3}$ yd² 11) $\frac{297\pi}{2}$ mi² 12) 48π yd²

Reminders: assessment Thursday retakes in DS

EOC

Starts next week! Thursday, Part 1 (no calculator) 35min Monday, Part 2 50min (M 4/30 is an A-day) Tuesday, Part 3 60min

> Formulas Quiz <u>Tuesday.</u> Have all of them memorized! The EOC provides nothing!

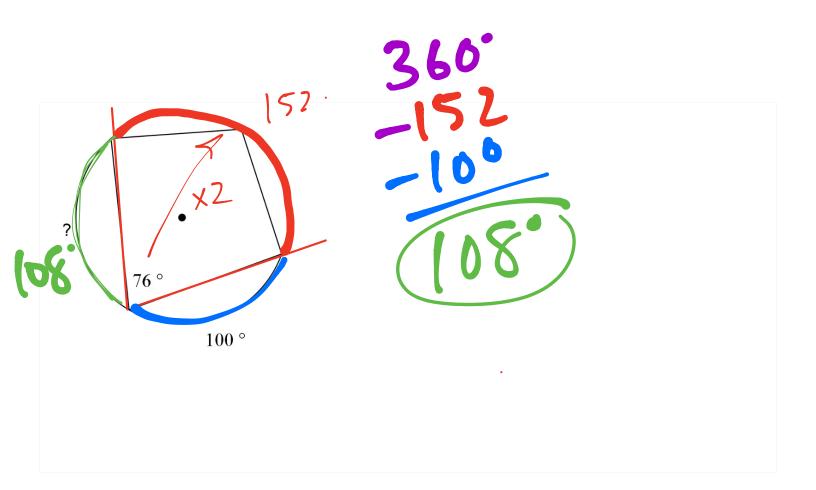


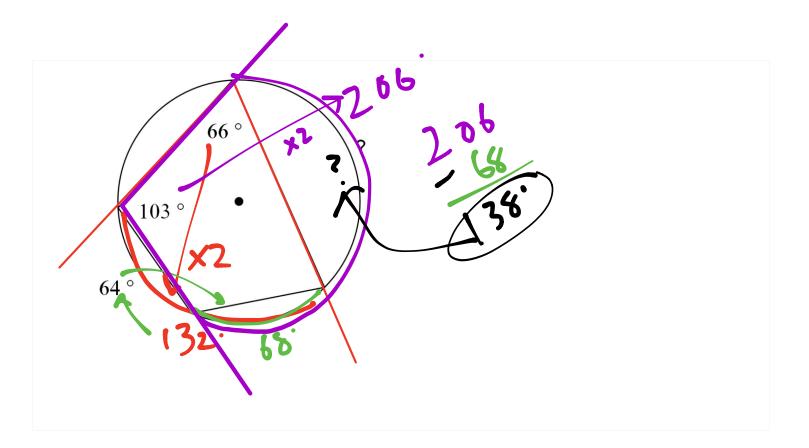
Central Angle

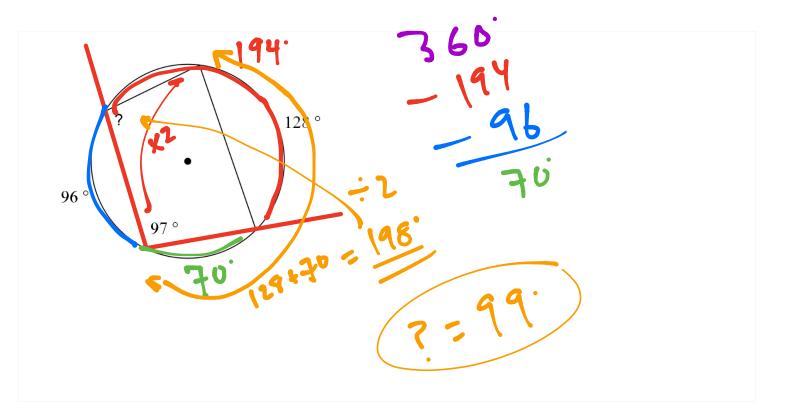
Intercepted Arc

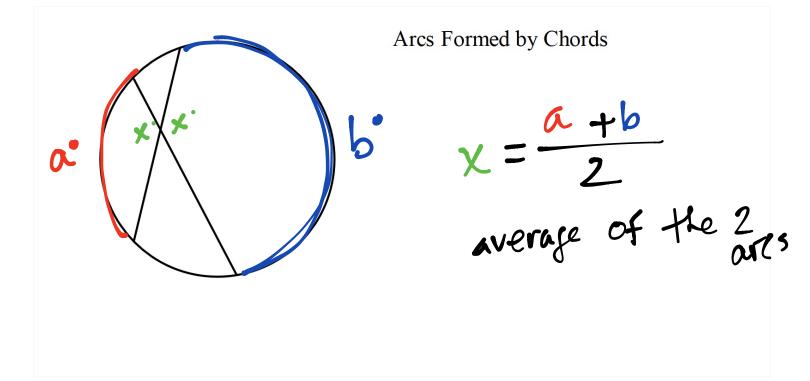
Inscribed Angle

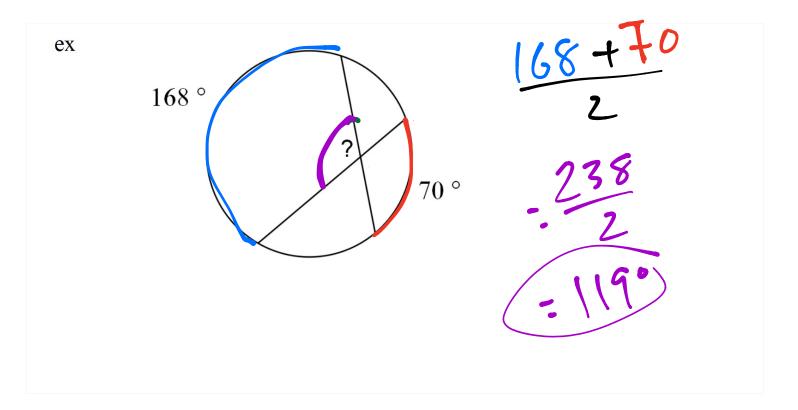
https://www.geogebra.org/m/aFXfGSNH

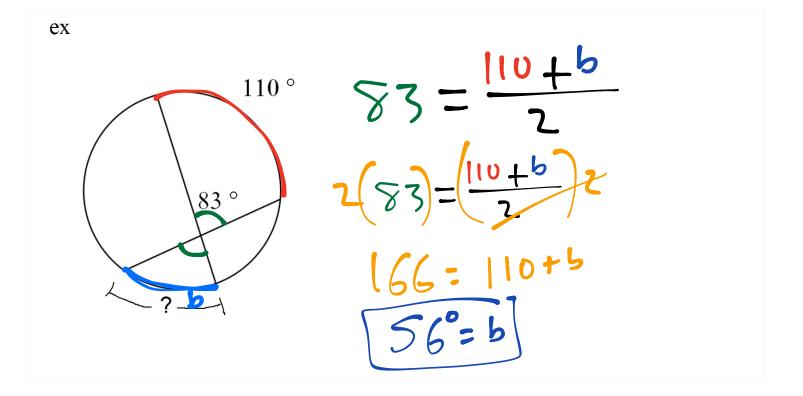


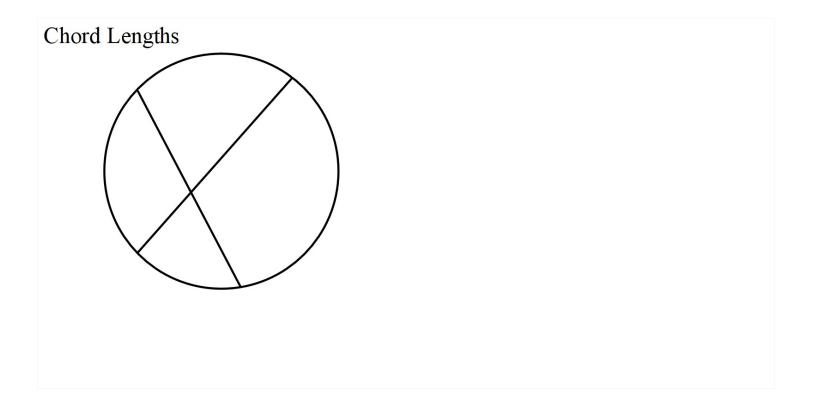


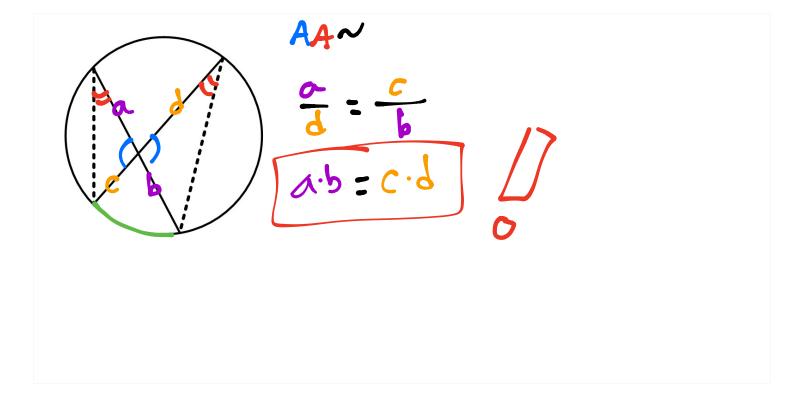


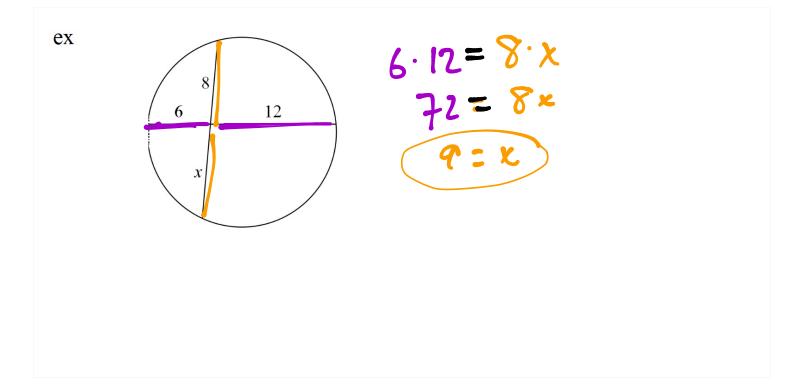


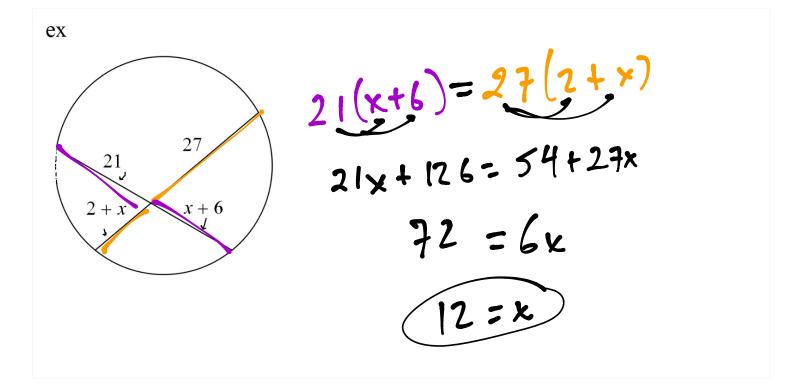








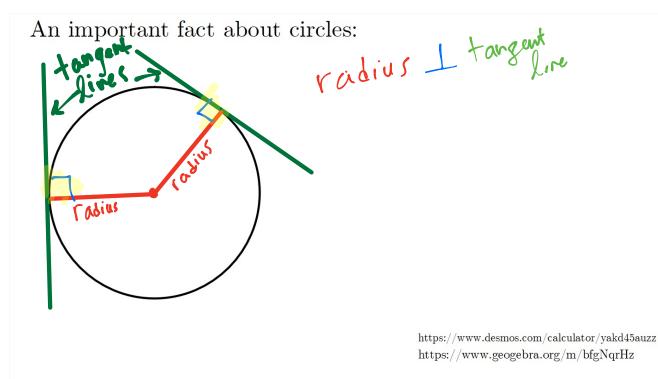


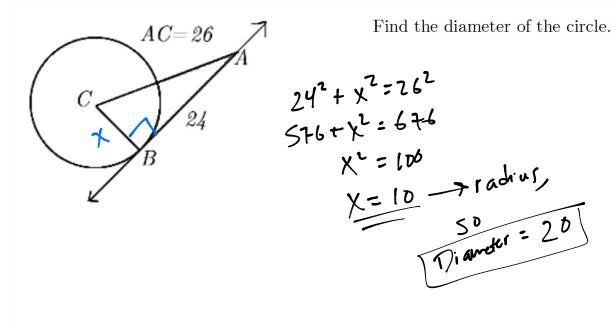


Practice

Do #2-14 (evens) for independent practice Answers are taped to front door

get as much done as reasonable by 3:43p





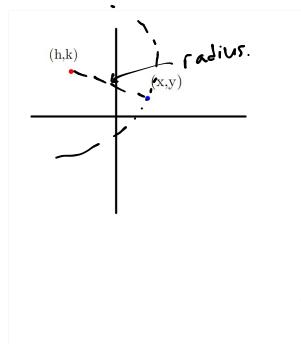
Find the diameter of the circle.

The Equation of a Circle

NOTES

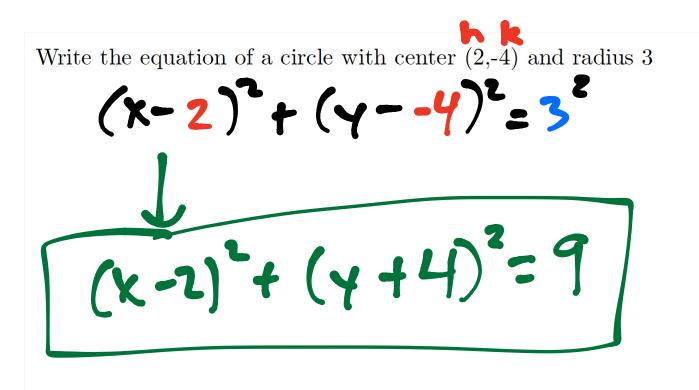
What is the precise definition of a circle?

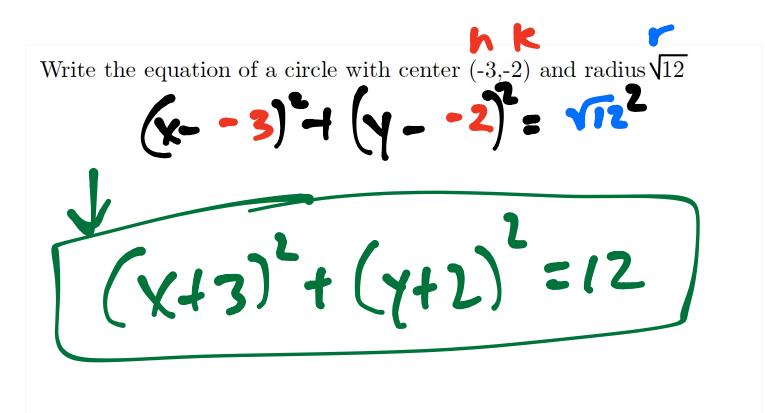
Set of all points in the plane equidistant from a center



Let
$$(h,k)$$
 be the center of some circle
Let (x,y) be any other point
 $Pristance formula:$
 $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$
 $Pristance batween o and o? Radius!$
 $r = \sqrt{(x - h)^2 + (y - k)^2}$
 $r^2 = (x - h)^2 + (y - k)^2$

[need to memorize this!] EQUATION OF A CIRCLE $(x-h)^{2}+(y-k)^{2}=r^{2}$ Centeri (h, k) Cadius: r -> looks like Pythag. Theorem!)



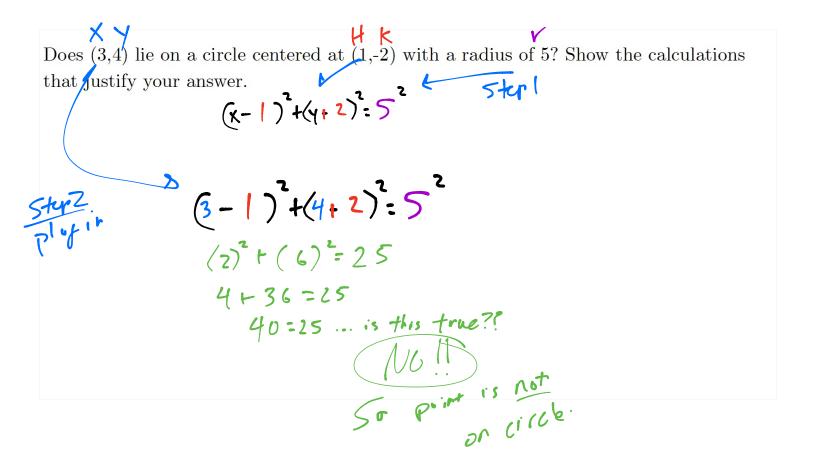


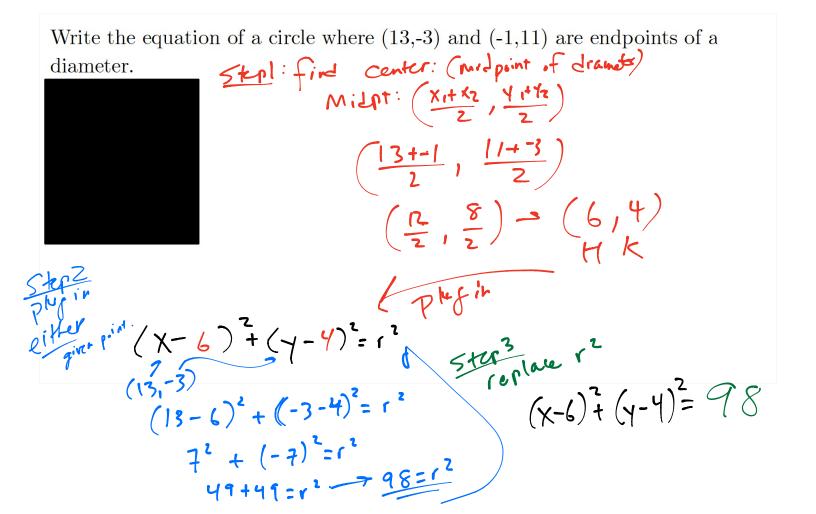
What is the center and radius of this circle?

$$(x-1)^{2}+(y+2)^{2}=16$$

 $(x-1)^{2}+(y-2)^{2}=4^{2}$
h k r
center: $(1_{1}-2)$
radius: 4

What is the center and radius of this circle?





HW

try the practice assessment #1-12, check solutions mgeo.weebly.com assessment Thursday

DS Peer Tutoring same seats as usual

What to work on:

- quiz each other on formulas: bit.ly/formulas18
- finish mini handout on arc length/sector area if needed
- do hw needed to retake volume/surface area assessment; retake skill(s)
- start the new practice assessment (ask me for help, we learn a lot of it

in class today)

<u>Please keep noise to a whisper as many are finishing/retaking/making</u> <u>up tests!</u>