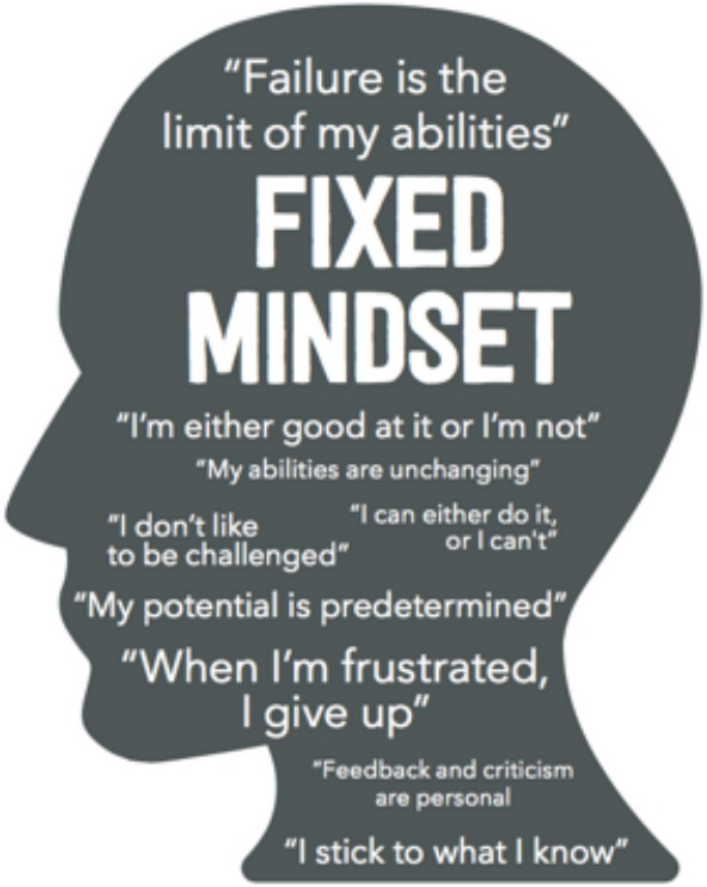

"Failure is an opportunity to grow"
GROWTH MINDSET
"I can learn to do anything I want"
"Challenges help me to grow"
"My effort and attitude determine my abilities"
"Feedback is constructive"
"I am inspired by the success of others"
"I like to try new things"


"Failure is the limit of my abilities"
FIXED MINDSET
"I'm either good at it or I'm not"
"My abilities are unchanging"
"I don't like to be challenged"
"I can either do it, or I can't"
"My potential is predetermined"
"When I'm frustrated, I give up"
"Feedback and criticism are personal
"I stick to what I know"

Projects! mgeo.weebly.com

- Which one are you thinking about doing?
- What materials, resources, etc. do you need in order to complete it?

http://bit.ly/geoproj4

Need to make a final decision by March 13

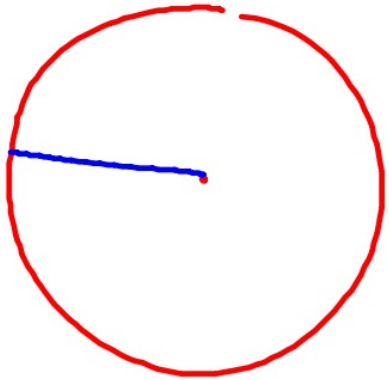
Due date: March 28 (will be first 3 grades of Q4)

(detailed rubric still in progress)

Circles! (NOTES)

What do you know about them already?
What do you want to know more about them?

Circle:
Set of all pts in the plane a fixed distance from a center pt.

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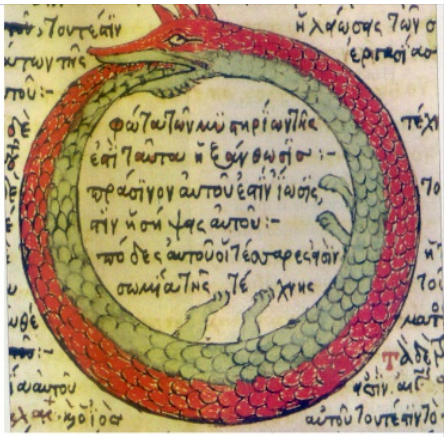
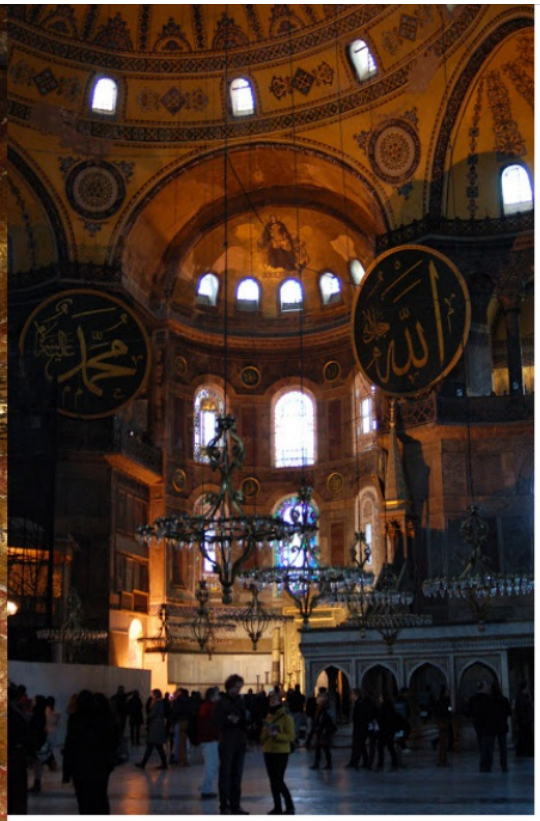



Coca-Cola

Pantheon

Chora Church,
11th century CE



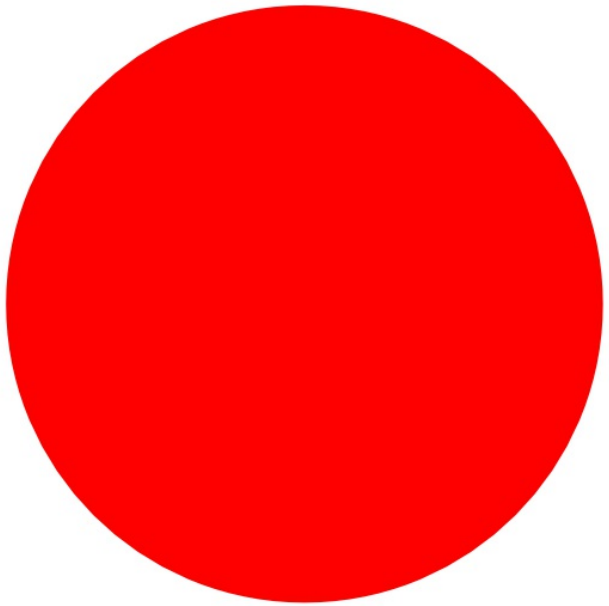
Haghia Sophia
537 CE

Suleymaniye Mosque
16th century CE

With your elbow partners:

-Why are circles so common in art history, religious beliefs, and design?

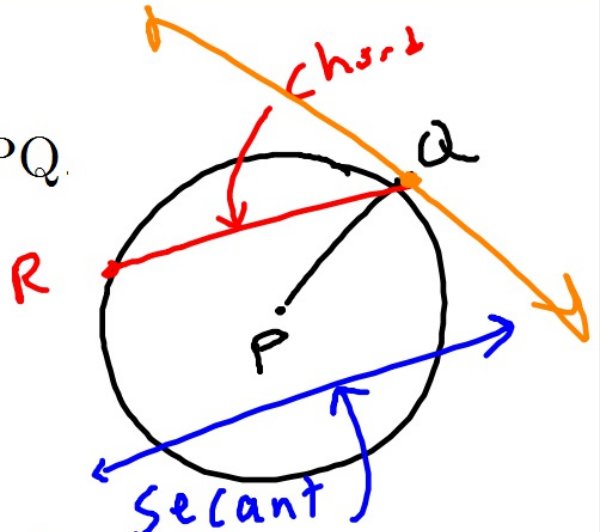
-Is a circle a shape without straight sides or one with infinitely many sides?



Three persons from each table please get up and grab

- whiteboards, one per person
- pens, one per person
- wipes, one per pair

Sketch a circle with a center of point P and radius PQ.

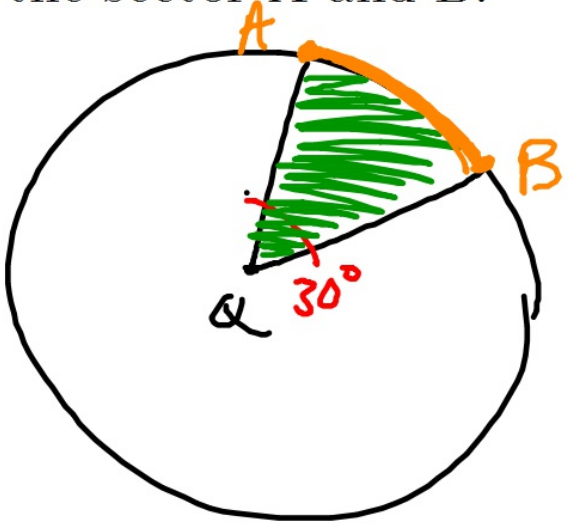


Draw a <u>chord</u> QR and label it as a chord.

Draw a <u>secant</u> that does not intersect $\overline{QR}$. [label it]

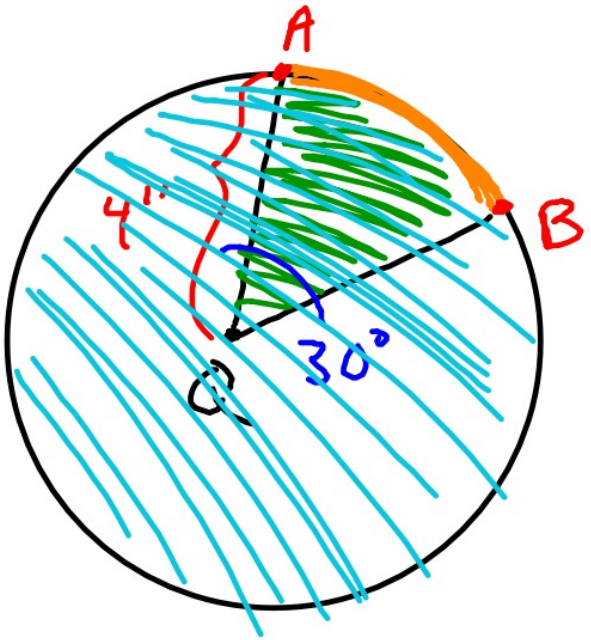
Draw a <u>tangent line</u> whose point of tangency is Q. [label]

Sketch a circle with center Q and sketch a sector with a central angle of about 30°. Label the endpoints of the minor arc of the sector A and B.



Let's say the circle has a radius of 4 inches.

What is the <u>area</u> of the sector you drew ?



$A = \pi r^2 = \pi(4)^2 = 16\pi \approx 50.2$

$$\frac{30^\circ}{360^\circ} = \frac{x}{50.2\ in^2}$$

$x = 4.2\ in^2$

Send persons from your table to return all of your supplies orderly please

Homework

- Watch and take notes on the new video at mgeo.weebly.com
- Be sure to watch last night's video if you didn't 😒

- Continue planning for project due March 28