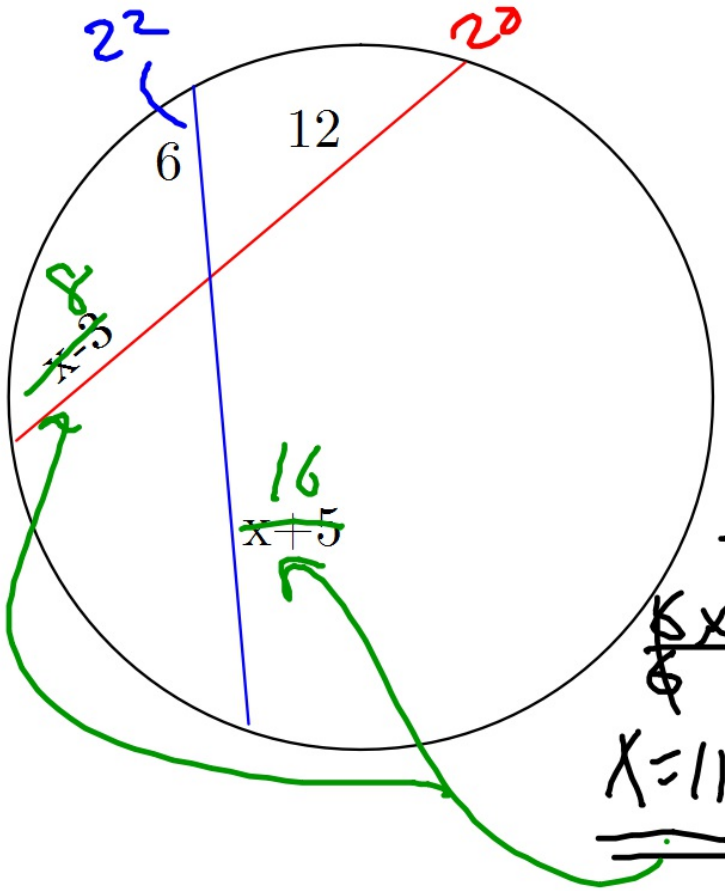
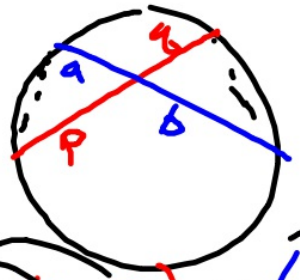
Good afternoon: warm up in notebooks



Are these chords the same length?



$a \cdot b = p \cdot q$

$12(x-3) = 6(x+5)$

$12x - 36 = 6x + 30$

$-6x \quad +36 \quad -6x \quad +36$

$\frac{6x}{6} = \frac{66}{6}$

$x = 11$

Reminders:

- Q3 ends a week from Thursday
- Last Q3 assess: Tuesday 3/14
- Tutoring tomorrow 4-5p
- DS retakes: Tues/Wed/Fri (NOT THURS)

Upcoming calendar

Today: more chords, arc length, radian measure; HW: Practice Assessment, Projec

Thursday 3/9: District Benchmark Test (computer lab) HW: Practice Assess, Projec

Tuesday 3/14: Assessment on circle topics/review, time to work on project
Project ideas due on this day

Thursday 3/16: Reassessment Day, project work time

Project Resources

CHANGES: surface area is being dropped from requirements -_

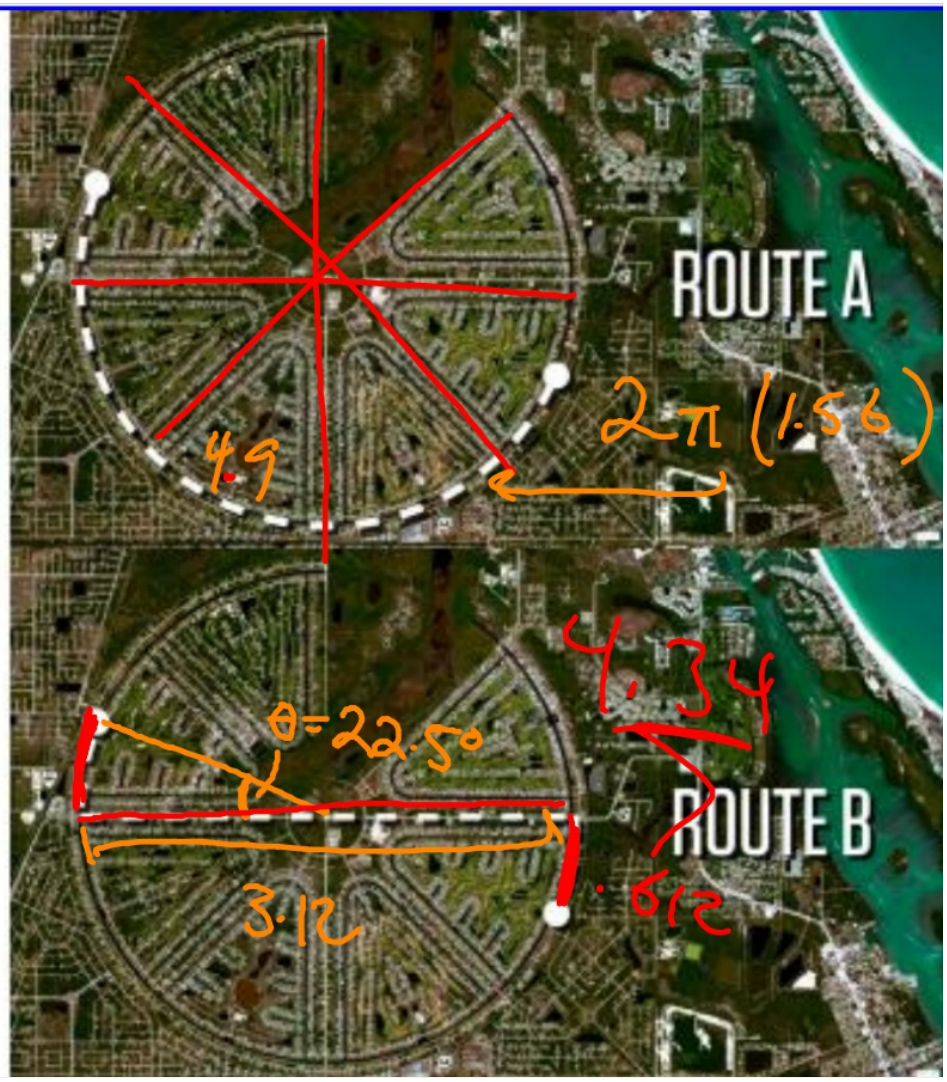
Finalized rubric will be passed out on Thursday

What do you notice? What do you wonder?

Arc Length (notes)

What questions does this raise?

Which route is faster? Write down your guess.



$\frac{\theta}{360} \cdot \pi r^2$ → $\frac{\theta}{360} \cdot 2\pi r$

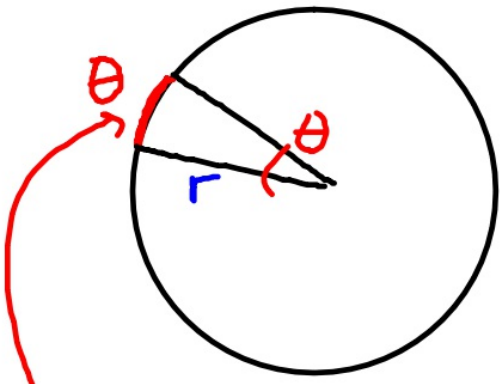
$\frac{22.5^\circ}{360^\circ} \cdot 2\pi(1.56) \approx 0.612$

Find which route is faster

Answer:

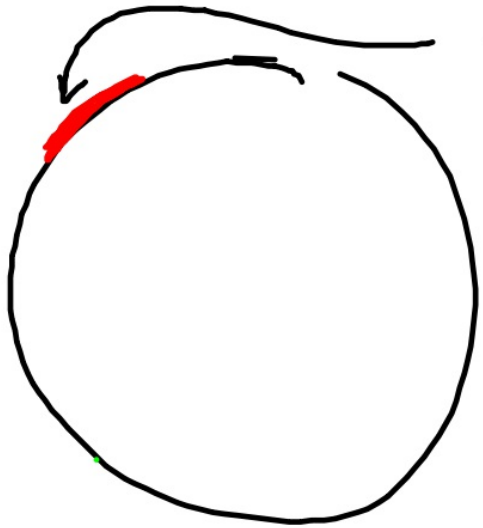
http://www.101qs.com/3059-rotonda-west-fl

A formula for arc length:



Length of arc $= \frac{\theta}{360^\circ} \cdot 2\pi \cdot r$

Arc MEASURE vs Arc LENGTH

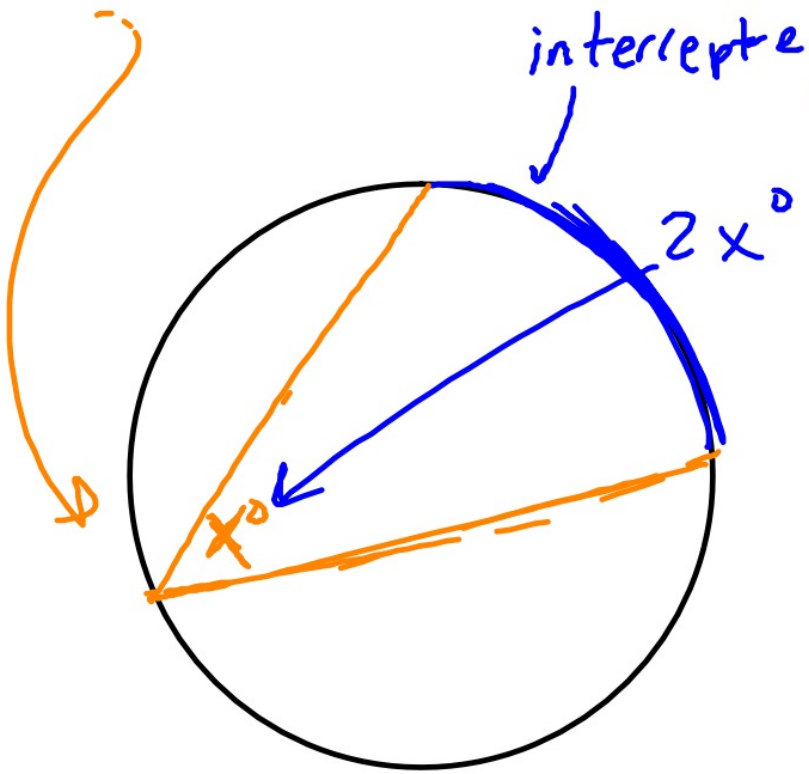


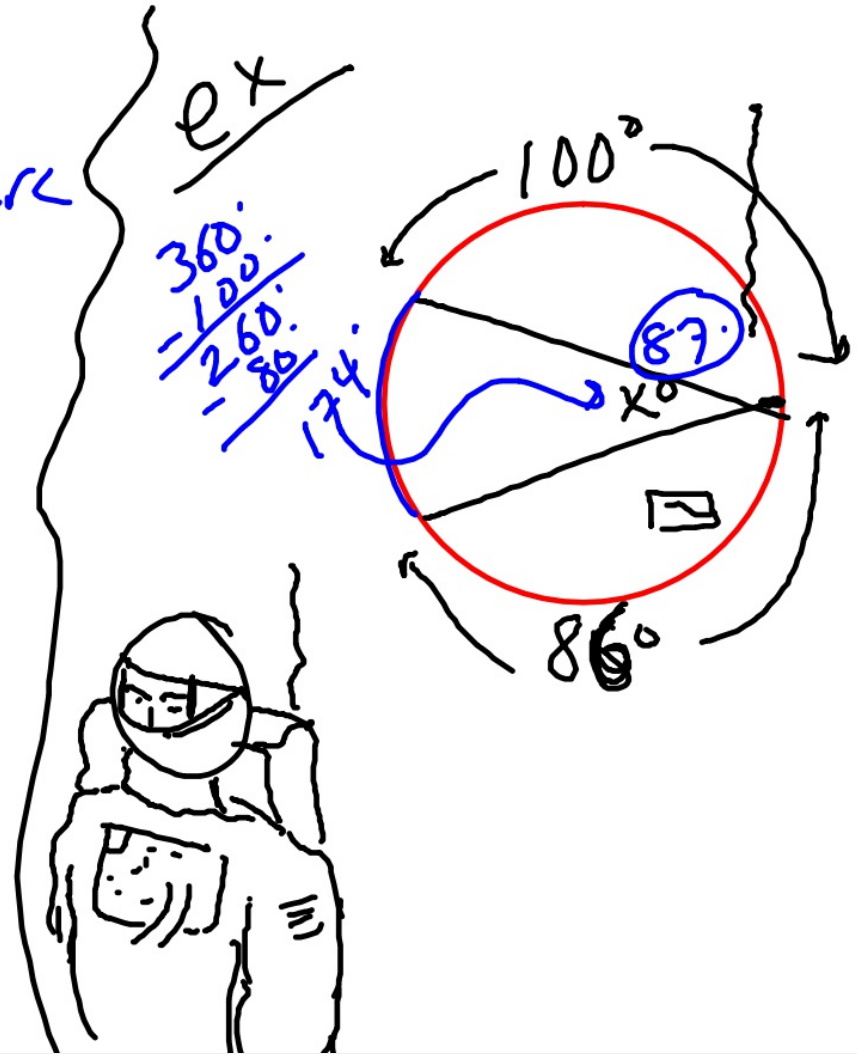
two ways to describe this:

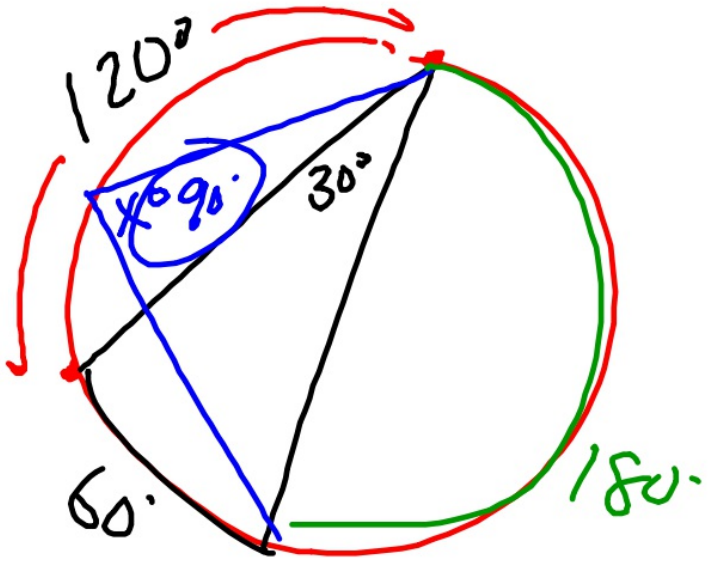
→ degrees of curvature

→ length

Inscribed Angle vs Arc Measure

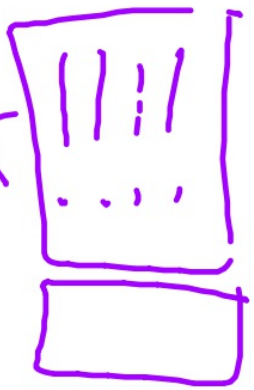





120°
90°
30°
60°
180°

HW: Complete practice Assess for Tues 3/14

- WORK ON PROJECT



- Assessment: 3/14