

Week Feb. 10 Objectives: Continue with section 9.5 into

9.6

Section 9.5: The Sine and Cosine Ratios

Common Core State Standards: G.SRT.C.6, G.SRT.C.7, G.SRT.C.8

Learning Target: Understand and use the sine and cosine ratios.

Success Criteria

- Explain the sine and cosine ratios.
- Find sine and cosine ratios.
- Use sine and cosine ratios to solve real-life problems.

Vocabulary: sine, cosine, angle of depression

Section 9.6: Solving Right Triangles

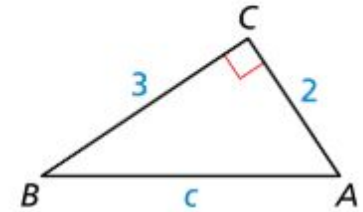
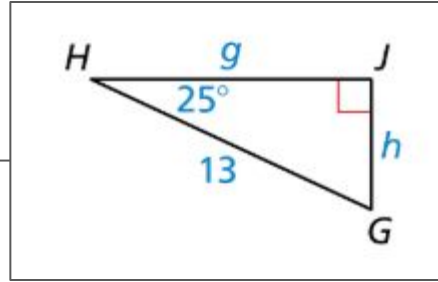
Common Core State Standards: G.SRT.C.8

Learning Target: Find unknown side lengths and angle measures of right triangles.

Success Criteria

- Explain inverse trigonometric ratios.
- Use inverse trigonometric ratios to approximate angle measures.
- Solve right triangles.
- Solve real-life problems by solving right triangles.

Solve the right triangle.



Goal:

Find all the angle values.

Find all the side values.

Complete practice in

- Pletcher's Packet: 9.6 Extra Practice, Kuta 6 pages from identify the ratio of the trig function and triangle given, find the length of a side, find the inverse of the trig function, and solve the right triangle.
- Soft Practice book pg 147-151
- Online section 7.5 mainly #1-28 Practice problems
- Online section 7.6 mainly # 1-22 Practice problems

Geometry Week Feb 10-14

Monday: Start with self assessment problems from 9.5 online, after review of them, complete # 1-17 odds first with work calculation on paper. Finish evens #2-16 for homework.

Tuesday: Review the evens , give a pop quiz on 9.5 using the soft practice book page and collect, then notes from example from 9.6 on inverse function to find an angle's value using calculator. Follow with practice problems off the packet kuta inverse page to complete.

Wednesday: Online 9.6 practice problems, odds first then evens finish for homework

Thursday: Complete the soft practice book problems

Friday: Pop Quiz, finish practice problems with real life application problems such as drawing the scenario and finding the values in units directed.