



Unit 9 Day 6: <u>Trigonometry</u> (9.4/9.5) Sine, Cosine and Tangent Today's I Can Statements: TR-5: I can determine the sine, cosine, and tangent ratios.



Naming the sides of the triangle.

Last time, we learned about special right triangles. We were able to find the missing sides of a triangle without using the pythagorean theorem. But, what if the triangle was not a special triangle? What if we were only given one side of the triangle, but it did not fit any of our known relationships?

The name of the legs is dependent on the angle that you are looking at



-->We use TRIG!!

















Feb 18-8:28 AM















Feb 18-8:30 AM

You are 6ft tall looking up at the top of 50 ft flagpole and you measure the angle of elevation to be 61 degrees. How far away are you standing from the base of the flagpole to the nearest foot.

Bentley is throwing a water balloon (from the ground) at his father's head. Bentley figured out that he is throwing at an angle of 35° . His father is 6 ft tall. What is the distance the water balloon traveled?

Feb 18-8:32 AM

Jan 2-1:03 PM

Tonight's Assignment: Page 491 #3, 6-10, 15 Page 498 #7, 8, 17-20, 27-30

Planning Ahead: Unit 9 Quiz will be...

Tuesday 3/3 Wednesday 3/4

Today's I Can Statements:

TR- 5: I can determine the sine, cosine, and tangent ratios.



Feb 11-9:23 PM