## Trig Ratios - Tangent Ratio

Monday, November 7, 2016 5:07 PM

A Trig Ratio is the Ratio between one side over another side. An example of this would be



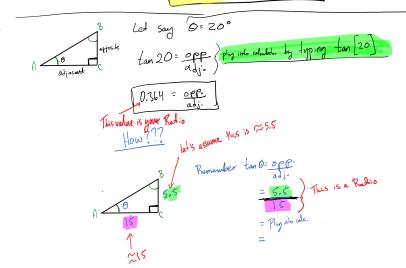
side BC Side AC Whan I divide these two quantities I can get a ratio.

Let's add values



this means for 0 in this example 0 = opposite adjacent

This is special type of Ratio Called the tangent Ratio



How do you find an angle???

you go from Ratio to angle

Let say angle & Ratio A = tam (0.4398)

tant: inverse tan

(ask Mr. Greanland to help

you find this on your calculator)

Fry!!

ton A = 0.0952

tonA= 0.7243

ton A= 56,2872

Draw and label a right triangle for the following tangent ratio

Then Calculate the angle to the nearest degree

$$\tan \Theta = \frac{13}{17}$$

0=37.4053 0=37°

HW Pg 75 H 3, 4, 5 all

Quiz next day

a