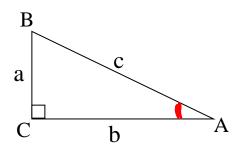
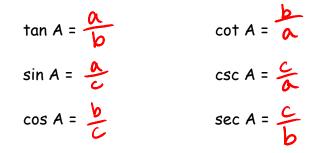
Sect. 13.1 – day 2 Algebra 2 Trig G



Let's Review!



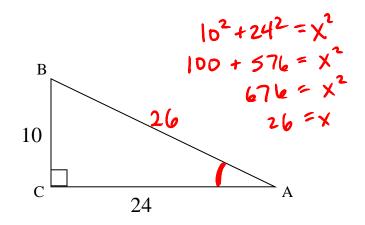
Write the ratio for the following...



Complete the following. 50 (AH)	70A $ 4^{2} + \chi^{2} = 50^{2}$
$\sin B = \frac{48}{50} = \frac{24}{25}$ $\csc B = \frac{50}{48} = \frac{25}{24}$	$B = 196 + x^2 = 2500$
$\cos B = \frac{14}{50} = \frac{7}{25}$ $\sec B = \frac{50}{14} = \frac{25}{7}$	$50 \qquad x^2 = 2304$
$\tan B = \frac{48}{12} = \frac{24}{12}$ $\cot B = \frac{14}{12} = \frac{1}{12}$	14 X=48
14 7 48 24	с <mark>48</mark> А

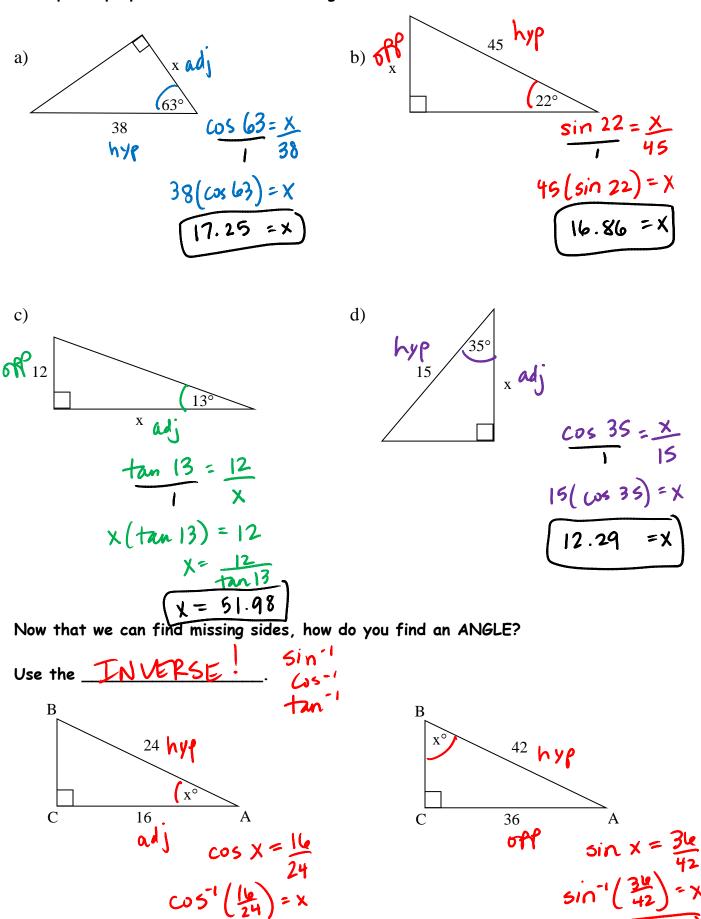
Complete the following.

 $\sin A = \frac{10}{26} = \frac{5}{13}$ $\cot A = \frac{24}{10} = \frac{12}{5}$ $\tan A = \frac{10}{24} = \frac{5}{12}$ sec $A = \frac{216}{24} = \frac{13}{12}$ $\cos A = \frac{24}{24} = \frac{12}{13}$ $\csc A = \frac{24}{10} = \frac{13}{5}$

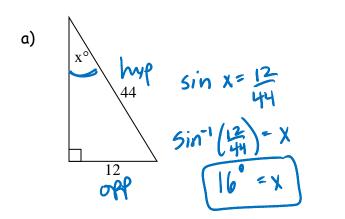


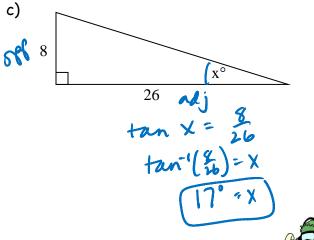
Set up the proportion to find the missing side.





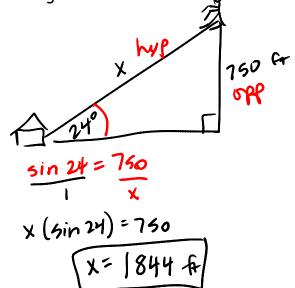
48° = X

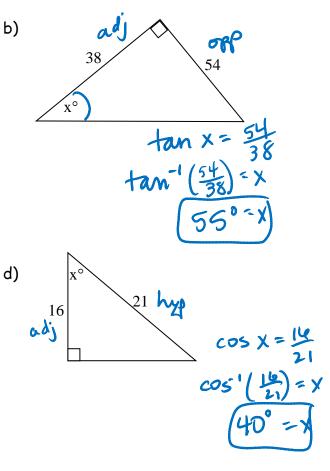




Word Problems!

a) The new ski slope at Devil's Head is 750ft high. From the ranger's station the slope is at an angle of elevation of 24°. How long is the ski run?







!!!

b) Sue was standing 50 feet from a tree flying her kite. If the kite is directly above the tree and 82 feel of string is being used, what is the angle of elevation of the kite?

