

Trigonometry Review Test

1) Find the 4 other trig functions if  $\tan \Theta = \frac{\sqrt{11}}{5}$        $\sec \Theta = \frac{6}{5}$

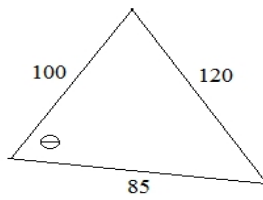
$\sin \Theta =$

$\cos \Theta =$

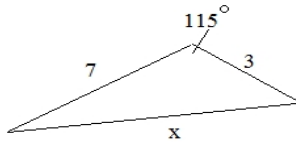
$\csc \Theta =$

$\cot \Theta =$

2) Find  $\Theta$  :



3) Find  $x$  :



4) Rewrite as an algebraic expression:  $\sin(\tan^{-1} x)$

5) A tourist stands 500 feet from a tall statue. If the angle of elevation from his foot to the top of the statue is  $31^\circ$ , how high is the statue (to the nearest foot)?