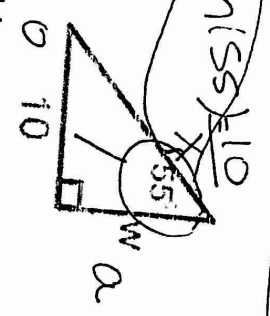


$x \cdot \tan(55) = 10$   
 $\frac{\tan(55)}{\tan(55)}$   
**#MostMissed Mondays**

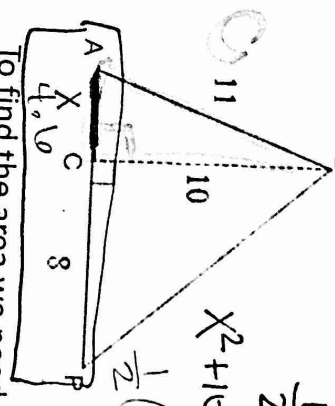


In this problem, the variable ends up on the bottom—should we multiply or divide to solve?

$\cos 24^\circ = \sin 66^\circ$   
 $90 - 24$

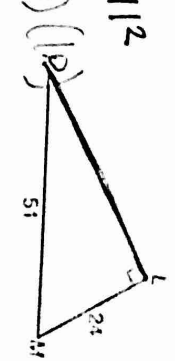
The cosine of one angle is equal to the sine of the complementary angle, so what would the angle be with sine?

**[7]**



To find the area we need the base and the height meaning we need to find AC first. If we use Pythagorean theorem to find AC, then what would be our "c"?

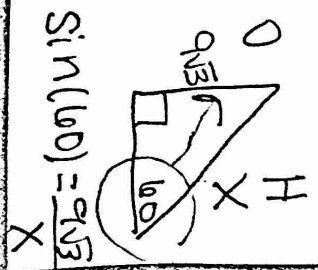
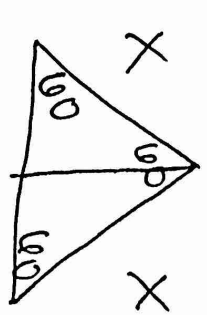
$x^2 + 10^2 = 11^2$   
 $\frac{1}{2}bh$



We need to set up TRIG RATIOS not solve for an angle with this problem, what do we need to find first before being able to set up ratios?  
 Find missing side using Pyth. thm

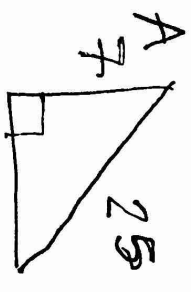
The altitude (height) of an equilateral triangle is  $9\sqrt{3}$

What do you know about the angles and sides of an equilateral triangle? If you know one side and one angle, can you use trig ratios to find another side?



$\sin(60) = \frac{9\sqrt{3}}{x}$

ratio you gives side lengths  
 $\cos A = \frac{7}{25}$   
 What does cosine equal? Knowing that then what side would be 7 and what side would be 25?



$\frac{a}{H}$