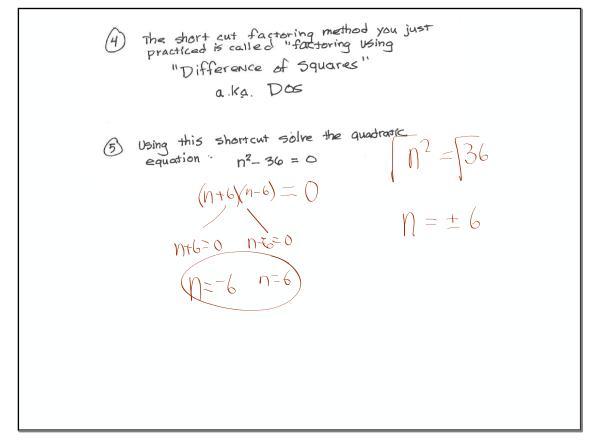
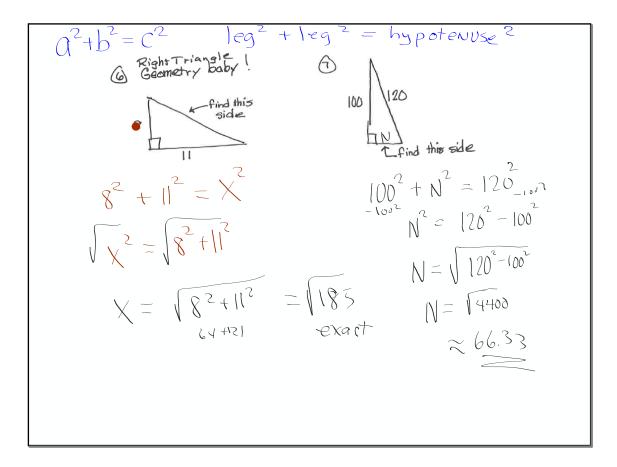


1) Fill in  
the  
boxes 
$$5^{2} = 0.5$$
  $6^{2} = 0.5$   $7^{2} = 0.4^{2} = 0.4^{2}$   
 $9^{2} = 0.5^{2} = 0.5^{2} = 0.5^{2} = 0.5^{2} = 0.4^{2}$   
 $9^{2} = 0.5^{2} = 0.5^{2} = 0.5^{2} = 0.5^{2} = 0.5^{2}$   
 $13^{2} = 10^{2} = 10^{2} = 10^{2} = 0.5^{2} = 0.5^{2}$   
(2) All the numbers inside the boxes above are examples  
of numbers called parfect. Squares

(3) Certain types of quadratic expressions can be  
factored Using a short cut. Look at the first  
few examples. Then complete the rest.  
$$\pi^2 - 4 = (n+3)(n-3)$$
  
 $x^2 - 64 = (x+3)(x-3)$   
 $t^2 - 100 = (t+10)(t-10)$   $(n-12)(n+12)$   
 $z^2 - 4 = (z+2)(z-2)$   
 $\pi^2 - 25 = (n+5)(n-5)$   
 $m^2 - 144 = (n+12)(n-12)$   $a^2 - b^2 = (a+b)(a-b)$   
 $p^2 - 1 = (p+1)(p-1)$   
 $x^2 - 255 = (x+15)(x-15)$   $n^2 - 10$ 

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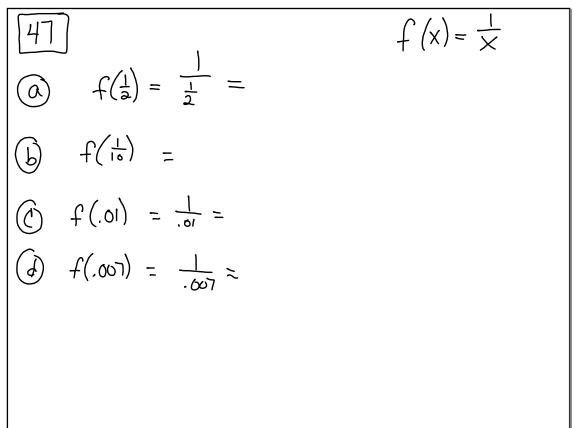
## Questions on HW

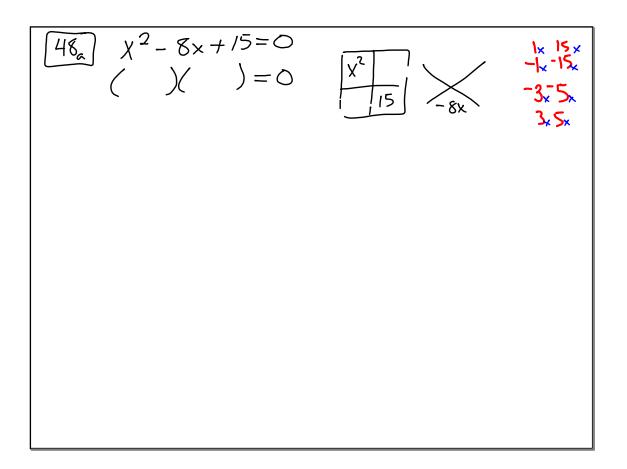
## Mid Chapter HW Check

As you check your HW, I will walk around and check your work.

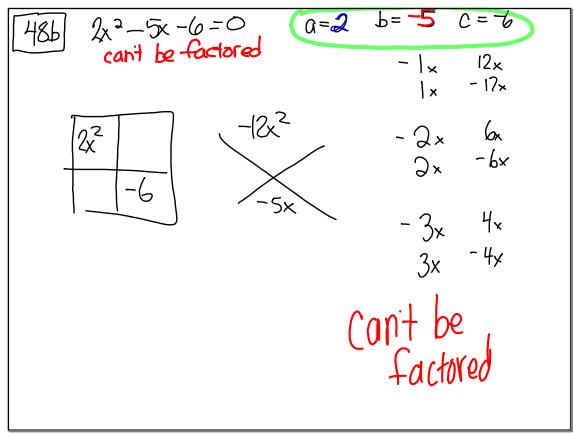
Have out, on your desk, your HW and ALL HW you have done up to this point.

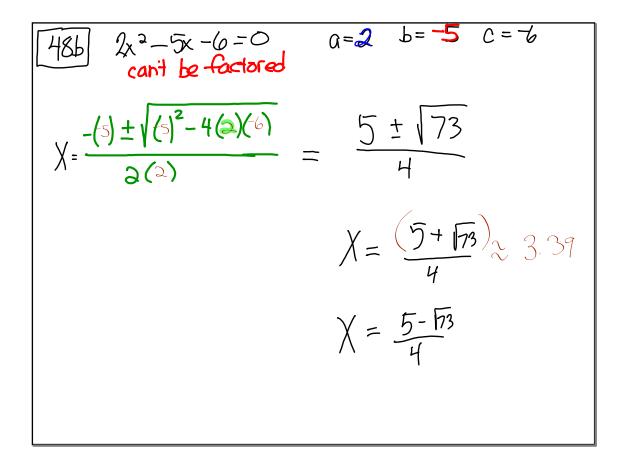
You may NOT write any additional scores or information on your recording sheet at this point.

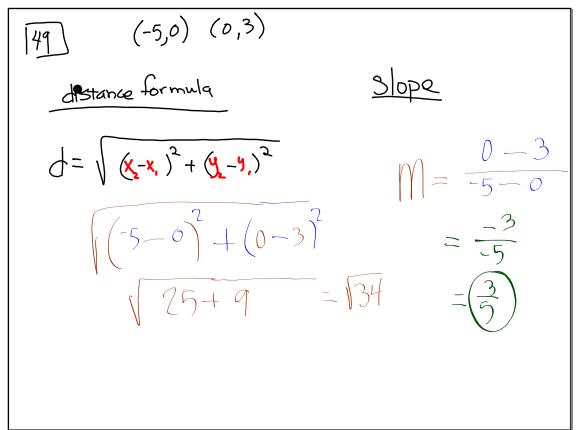


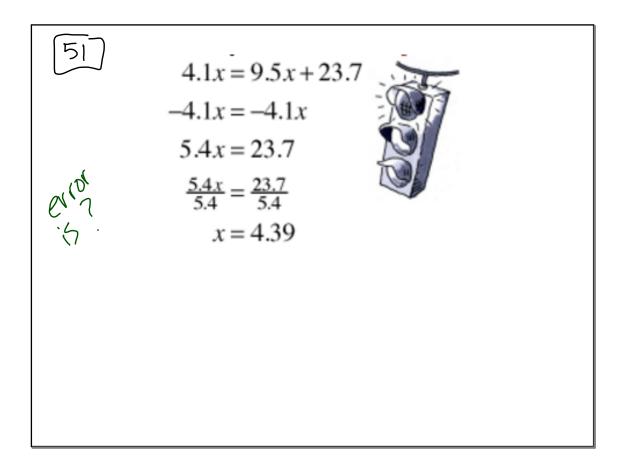


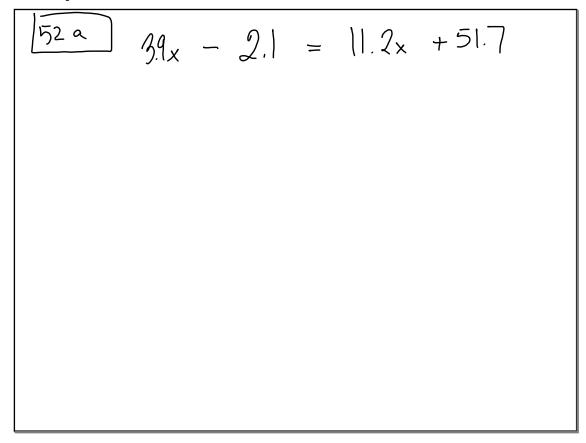
December 11, 2018



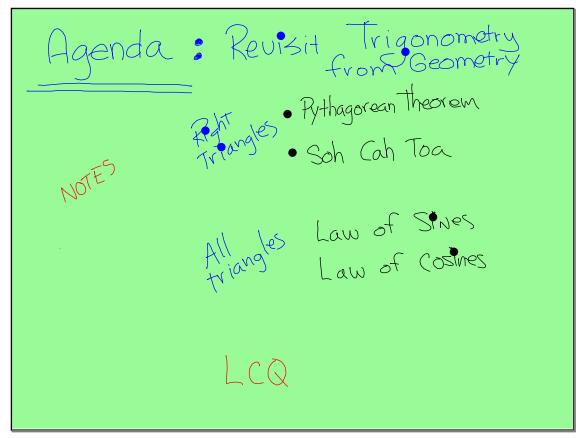


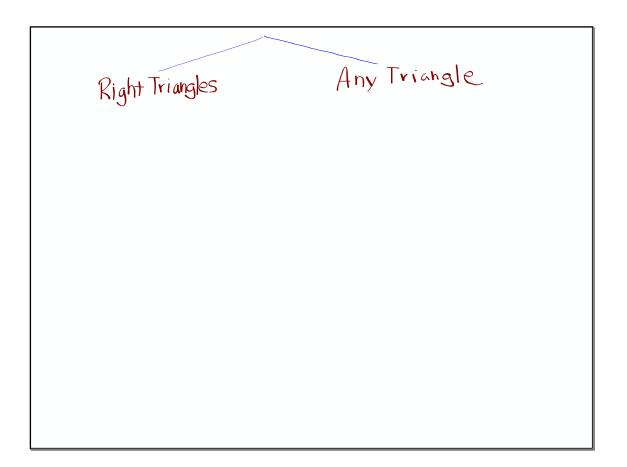


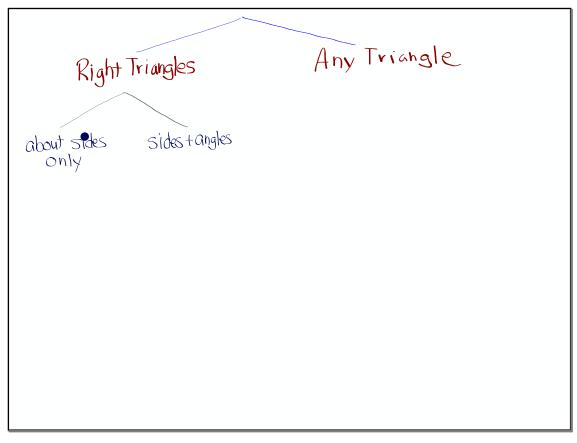


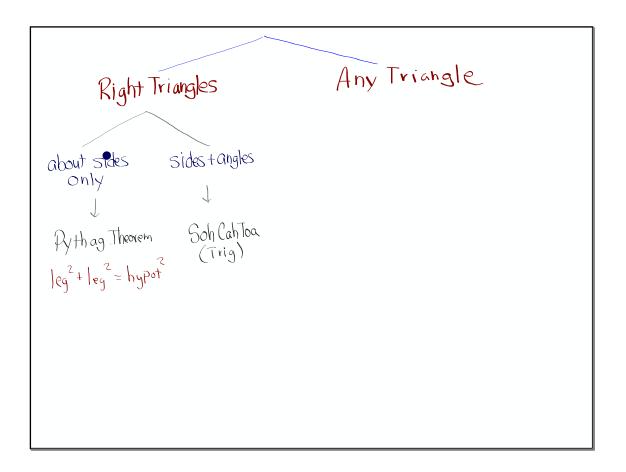


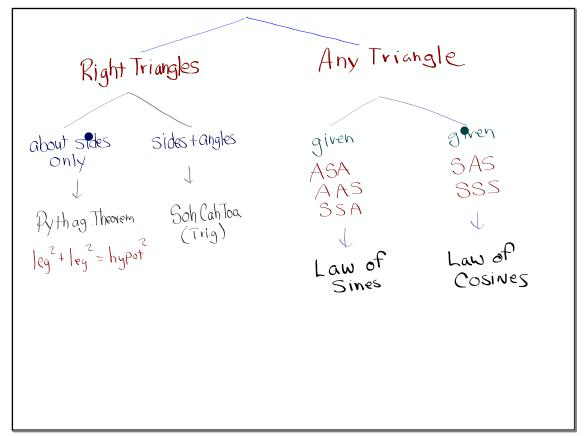
$$52b = \frac{1}{5} \times -2 = \frac{13}{25} - 0.7 \times$$

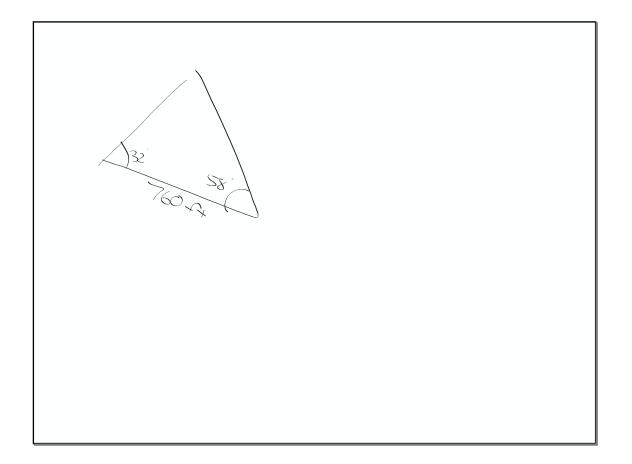


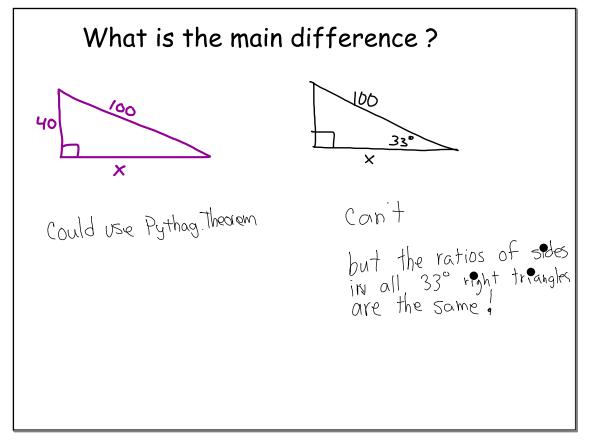


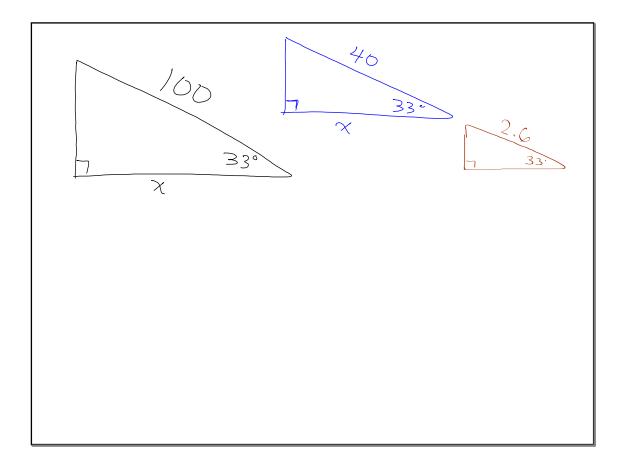


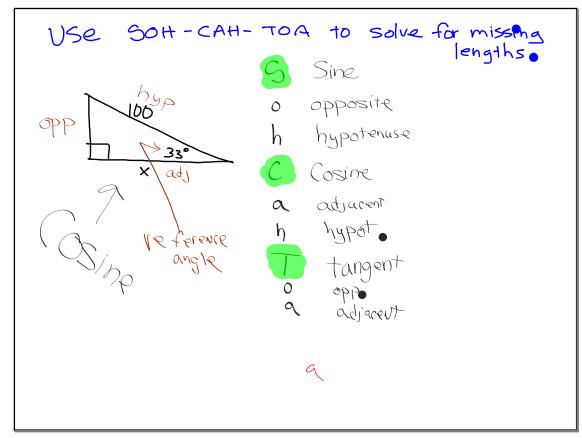


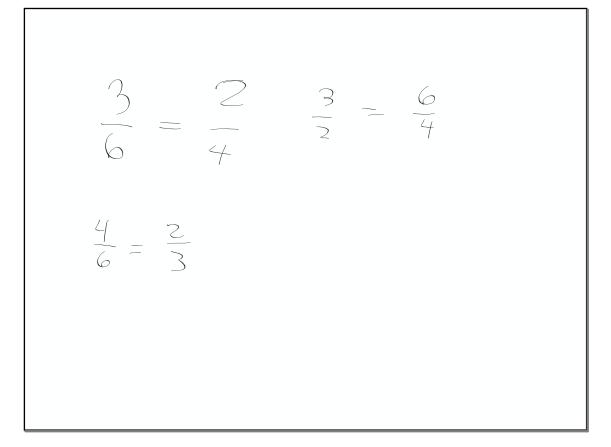


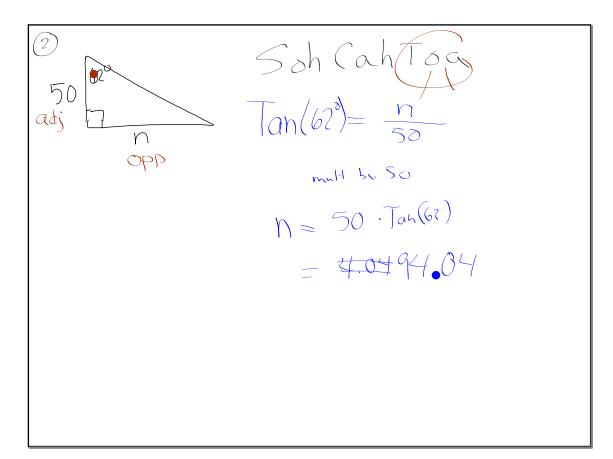


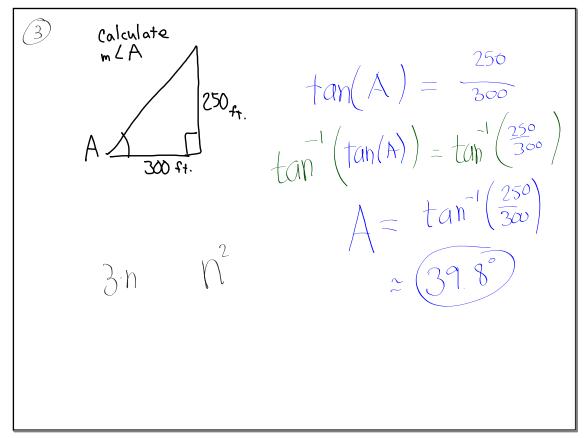


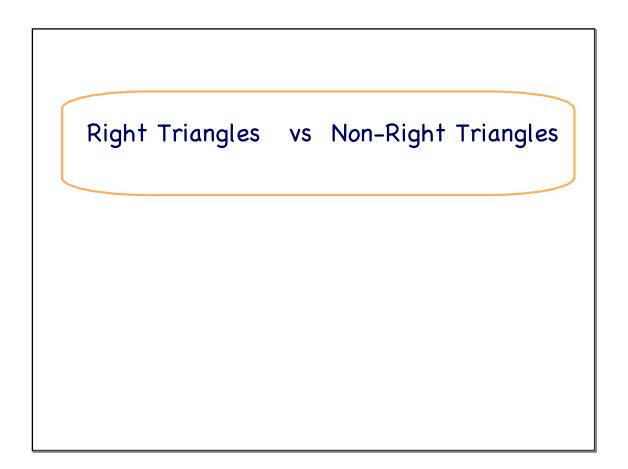


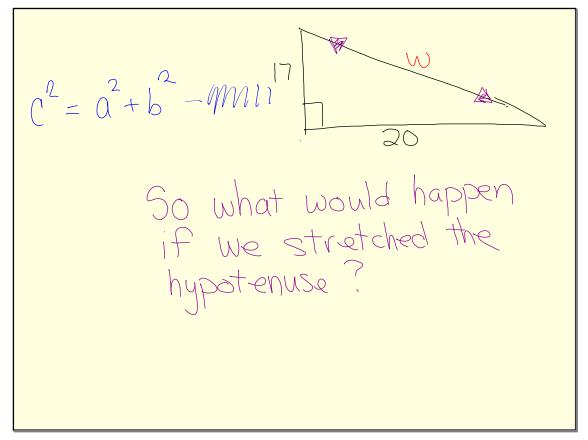




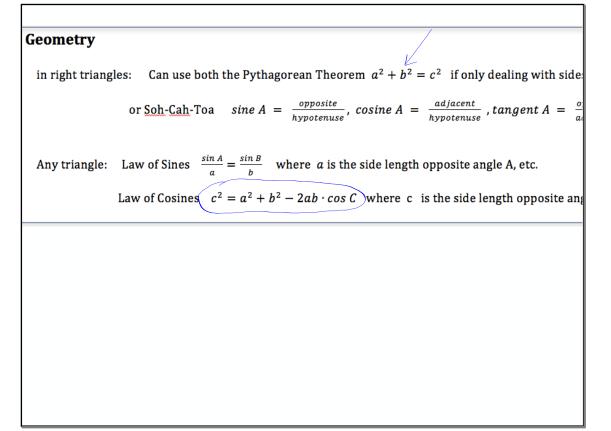








Law of Cosines  $C^2 = a^2 + b^2 - 2ab \cdot cos l'$ Tside opposites



Law of Cosines  $c^2 = a^2 + b^2 - 2ab \cdot cos C$ where c is the side length opposite angle C

