Good morning!

- 1. "Here"
- 2. Calculator issues from SOHCAHTOA
- 3. Notes on Finding Missing Sides and Angles
- 4. Practice
- 5. DeltaMath Homework

Finding Missing Sides

Steps for Finding Missing Sides

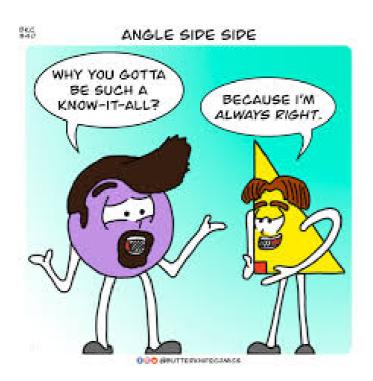
- 1. Label your triangle opp, adj, hyp
- 2. Circle "key players" (SOHCAHTOA) C = A
- 3. Multiply if x is numerator,

"Switch" if x is denominator

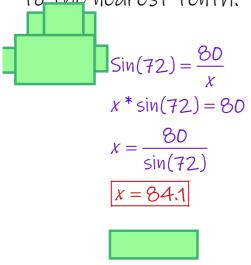
$$\chi = \frac{2}{\cos(30)}$$

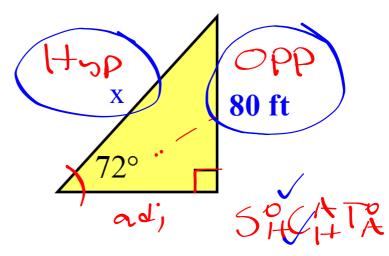
Ex: 1 Figure out which ratio to use. Find x. Round to the nearest tenth

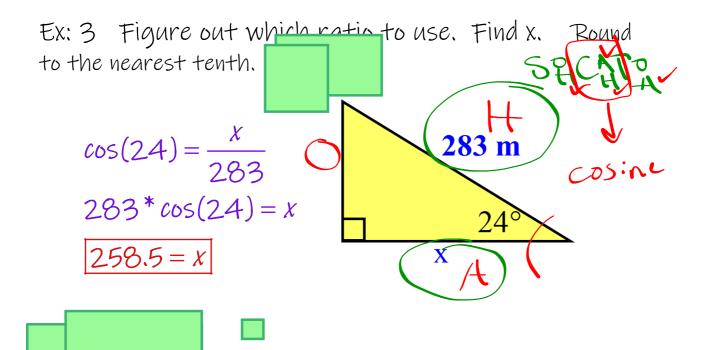
20. $Tan(55) = \frac{x}{20}$ 20 * Tan(55) = x 28.6 = x



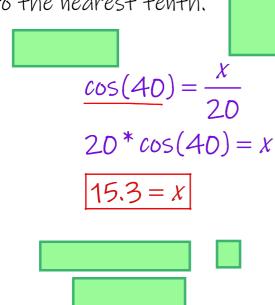
Ex: 2 Figure out which ratio to use. Find x. Round to the nearest tenth.

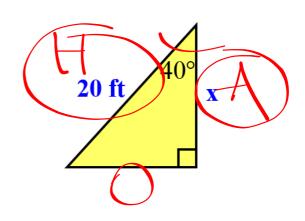


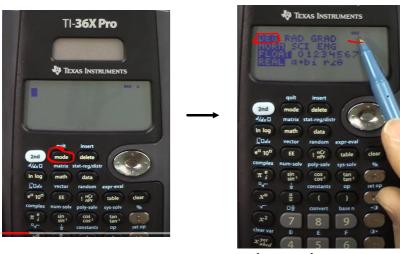




Ex: 4 Figure out which ratio to use. Find x. Round to the nearest tenth.



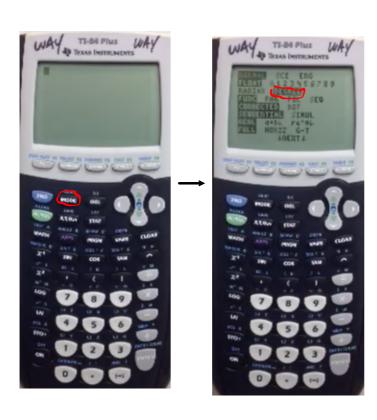




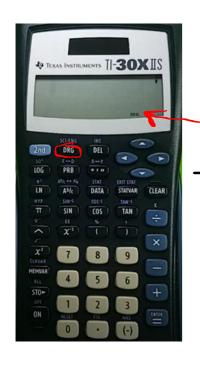
 $X = 25\sin(42)$

You type:

 $25*\sin(42) = 16.73$



 $X = 25\sin(42)$ You type: $25*\sin(42)$

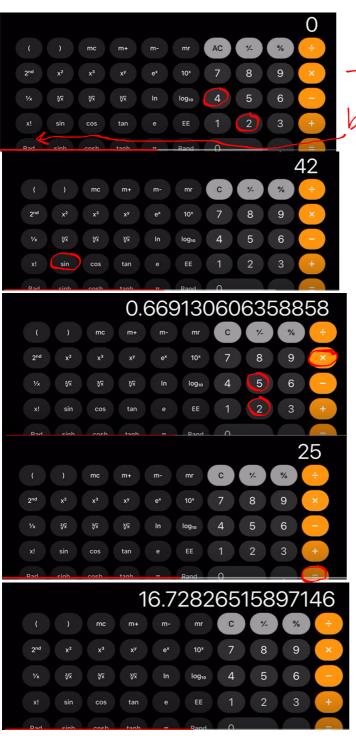


Look to see that

→ Deg is on the bottomright of the screen. $x = 25\sin(42)$

You type:

25*sin(42)

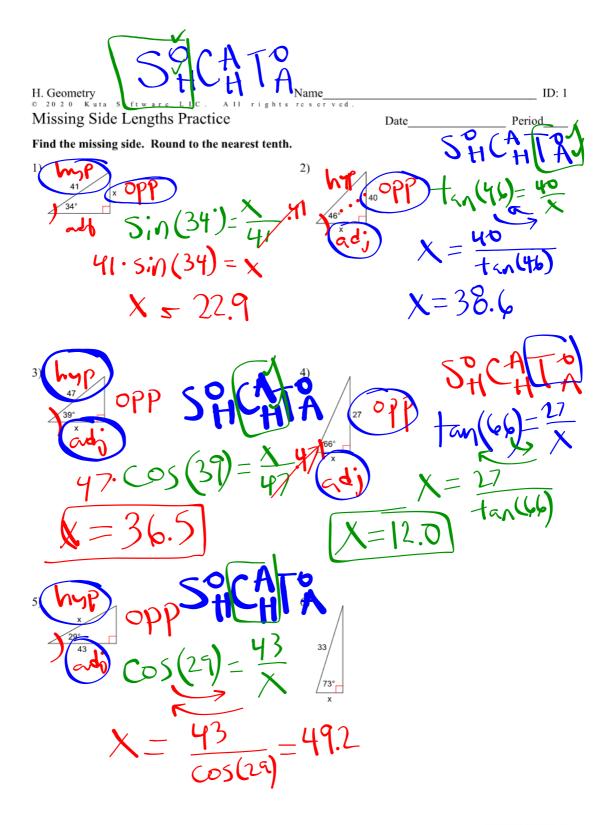


The bottom-left button says Rad

 $X = 25\sin(42)$

You type:

 $42 \sin^* 25 =$



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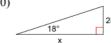
8)



0



10



11



12



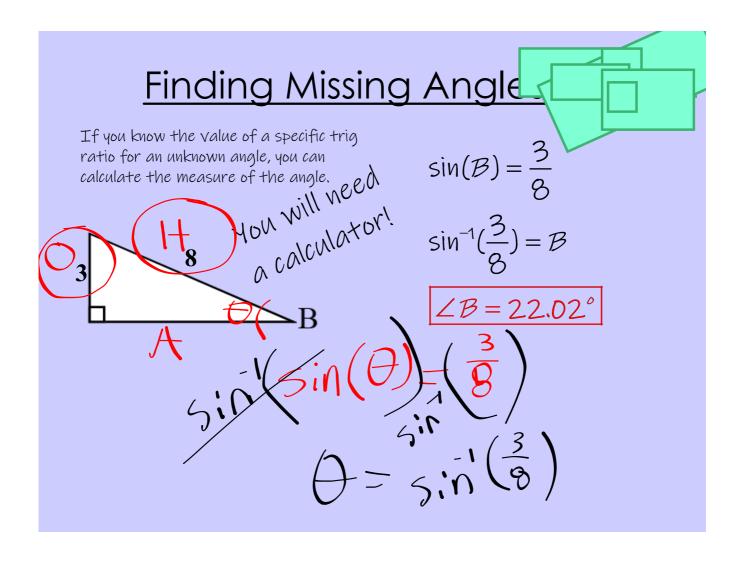
13

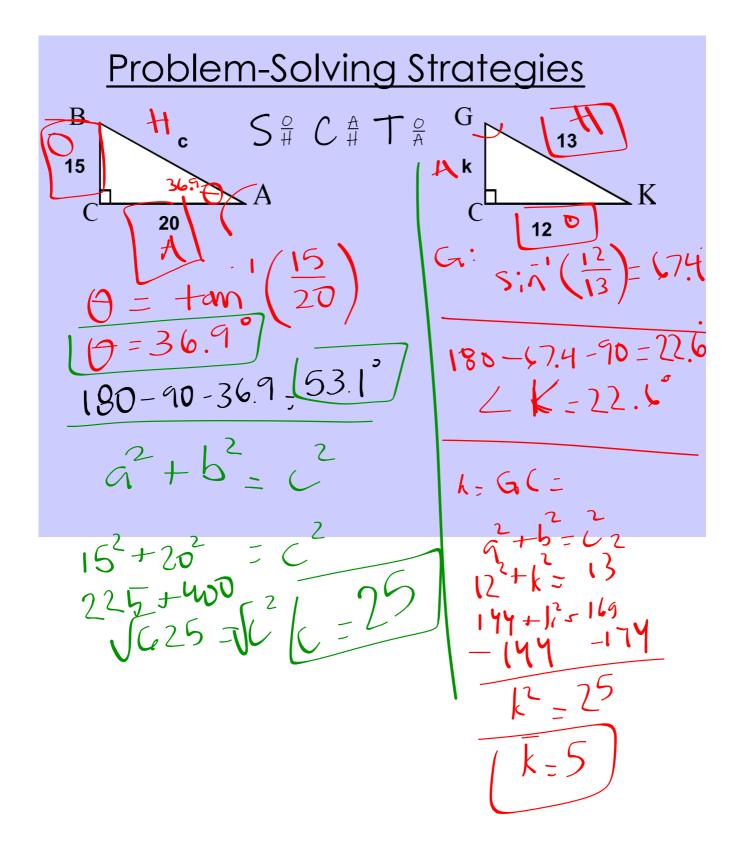


14)



Finding Missing Angles





Problem-Solving Strategies

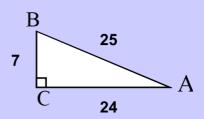
Find the other angle and the two other sides.

$$\begin{array}{c} (3) &$$

$$\frac{24.5!n(51) = \frac{b}{24}.24}{16-20.2}$$

Problem-Solving Strategies

Find the two non-right angles .



Analytic Geometry	Name_		
Finding Missing Angles & Sides		Date	Period
) Find the measure of the indicated angle to the near	rest degree.		
1) 31 8	2)	32	
3) 32 34	8 2		
5)6	6)		
7)	8) 27 46	41	
	\rangle?	41	

Find the missing side. Round to the nearest tenth.





13)



14)









18)





20)



Geometry Name:	Similarity & Right Triangles Date:			
Using Trig Ratios to find Missing Sides or Angles				
1. x 25°	2.	310		
3. 48 x	4. 67° x	18		
5. 20 x 30	6.	26		
7.	8.	11		

