

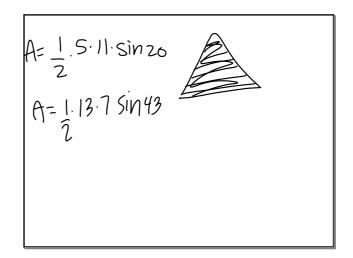
Law of Sines

For any $\triangle ABC$, the Law of Sines relates the sine of each angle to the length of the side opposite the angle.



$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$



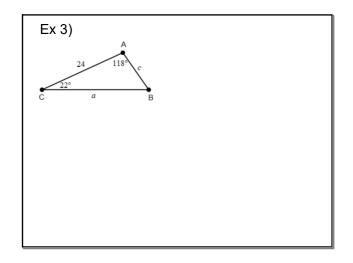
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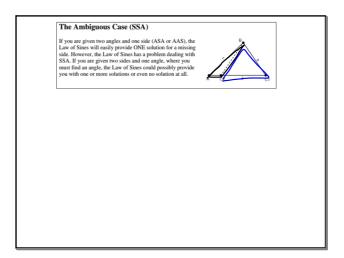
Use the Law of Sines to solve the triangle (Find all angles and all sides). Round your answer to 3 decimals $Ex\ 3)\ B=35^{\circ}\ C=105^{\circ}\ b=7$

Cross multiply

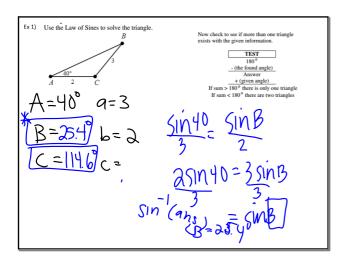
$$TA = 40^{\circ}$$
 $Ta = 7.845$ $Ta = 7.855$ Ta

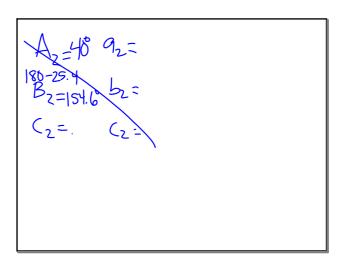




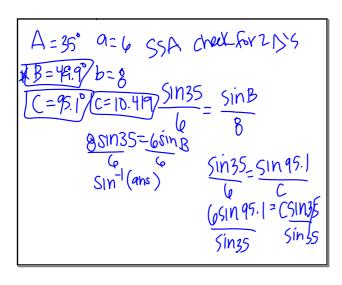


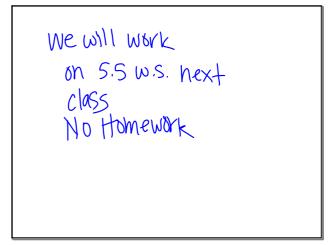
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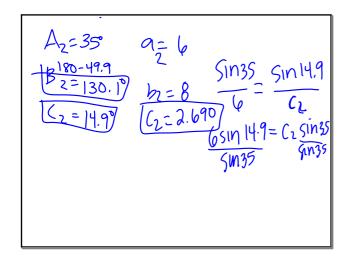


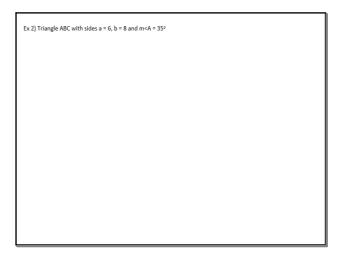
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Apr 17-2:14 PM Apr 17-2:25 PM





Apr 17-2:17 PM Nov 29-9:08 AM