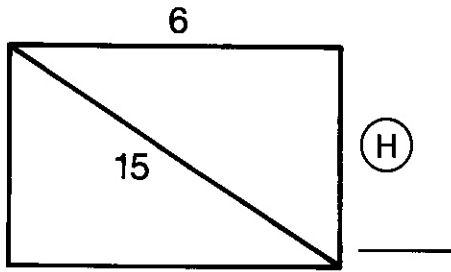
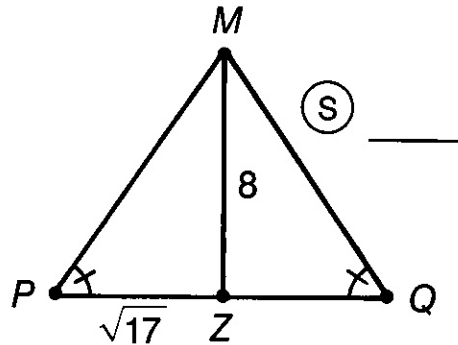


# Who Listens To Both Sides Of An Argument?

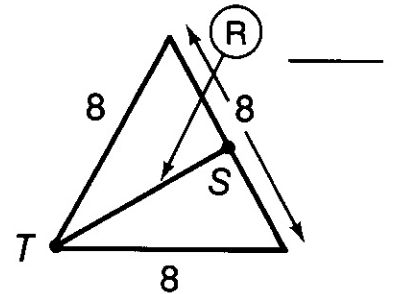
Determine each dimension labeled with a circled letter. Write the letter in the box at the bottom of the page that contains the same answer.



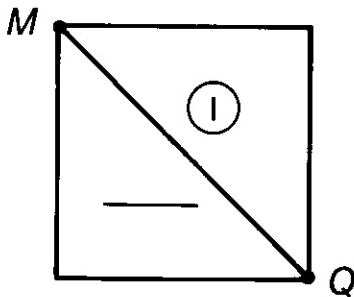
Rectangle



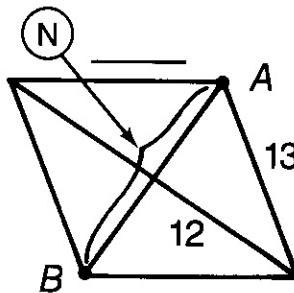
Median  $\overline{MZ}$



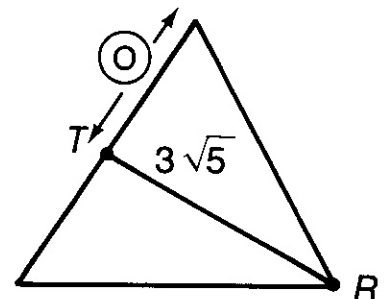
Altitude  $\overline{TS}$



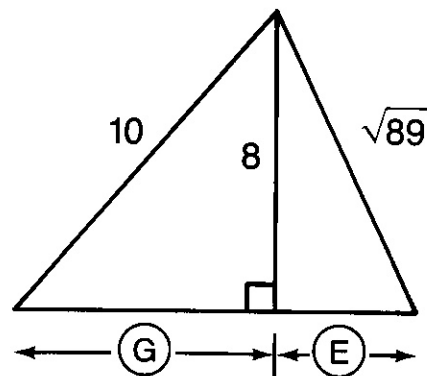
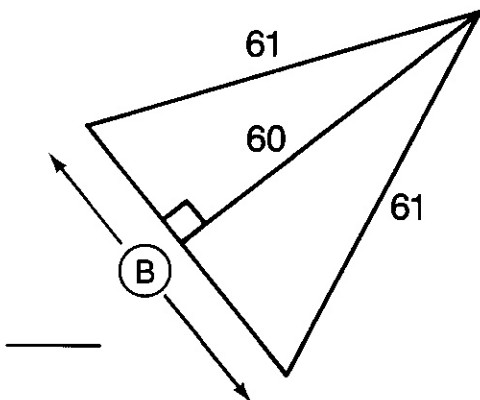
Square  
Area = 72



Rhombus



Equilateral  $\triangle$   
Altitude  $\overline{TR}$

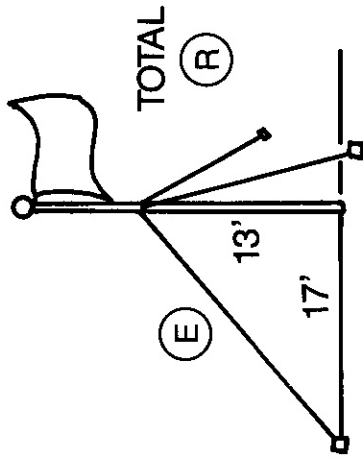


10	5	12	6	$3\sqrt{21}$	22	$\sqrt{15}$	$4\sqrt{3}$	9
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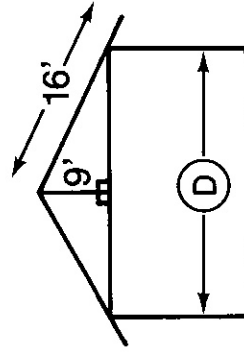
# How Do You Give A Torn Valentine?

Use the Pythagorean Theorem to determine each dimension labeled with a circled letter. Write the letter in the box or boxes at the bottom of the page that contain the same answer.

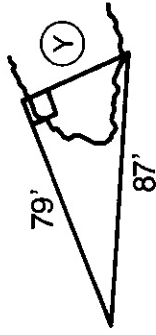
1. Three wires are supporting a flagpole. They are attached to the pole 13 feet above the ground and attached to stakes 17 feet from the base of the pole. Find the length indicated. Allowing 2 feet per wire for making the attachments, how much wire is needed?



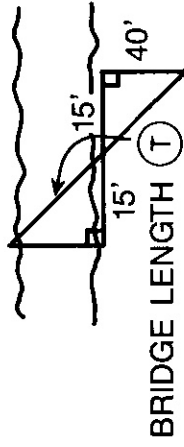
2. A roof is to be constructed as shown. Allowing a one-foot overhang, how wide is the building?



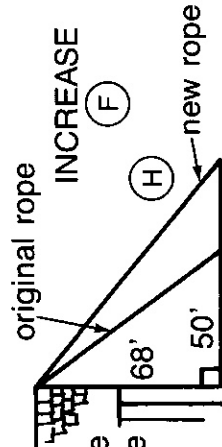
3. Scouts are to determine the width of the lake between the points shown. How wide is the lake?



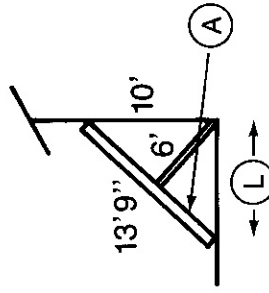
4. A bridge is to be constructed across the stream. Given 5 feet on each side to anchor it, how long would the bridge have to be?



5. A rope is stretched from the top of a barn. Original measures are shown, but the rope must move out from the barn an additional 40%. How much longer must the rope be?



6. A solar panel is positioned as shown. A brace is set perpendicular to the panel. Determine the two dimensions shown.



97'7"	5'9"	8'4"	13'2"	97'7"	21'5"	5'9"	70'3"	52'9"	21'5"	24'	8'4"	36'5"
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