

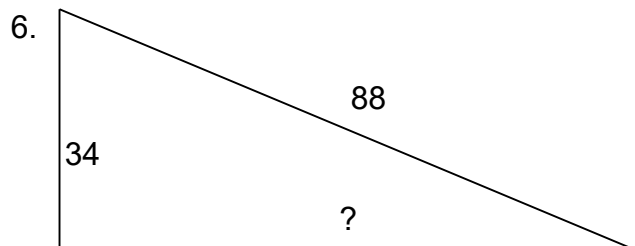
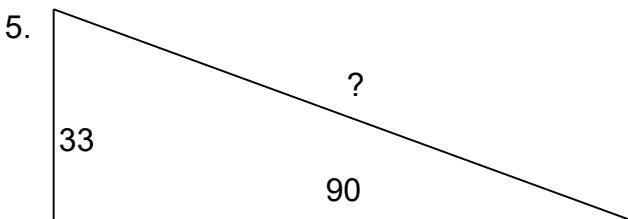
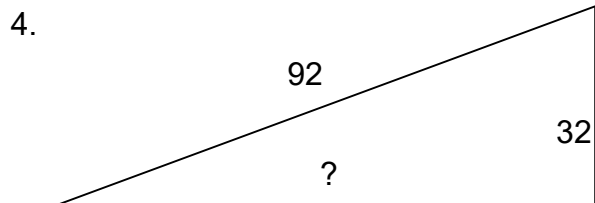
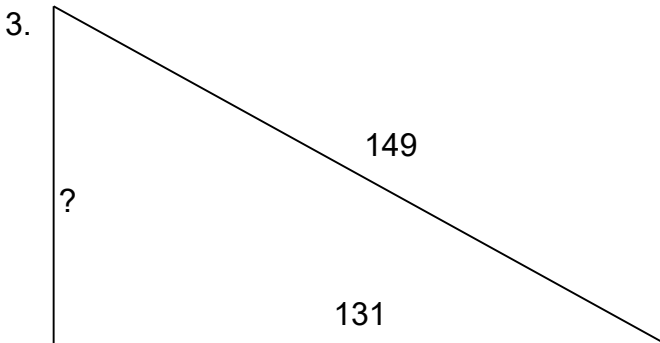
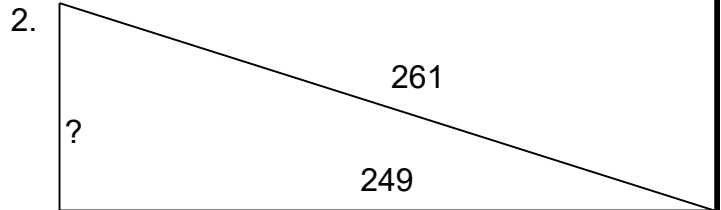
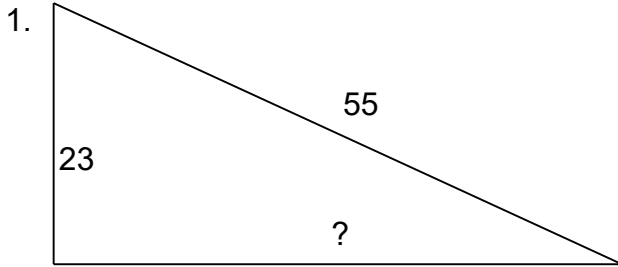
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# Pythagorean Theorem

For right angled triangles: the square of the hypotenuse (longest side) will be equal to the sum of the squares of the other two sides.

Find the length of the unknown side.



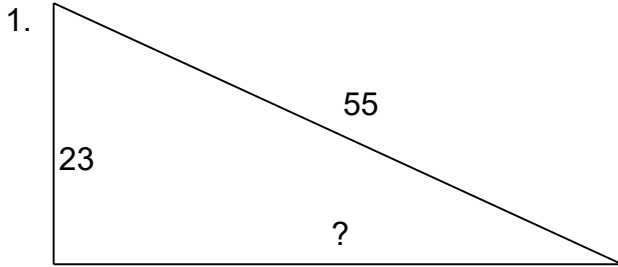
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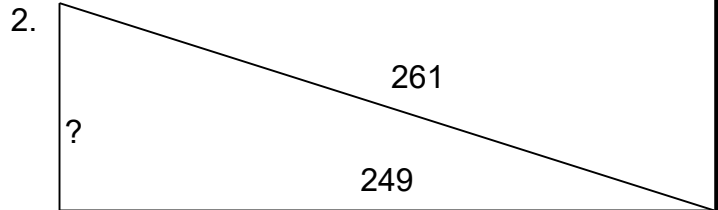
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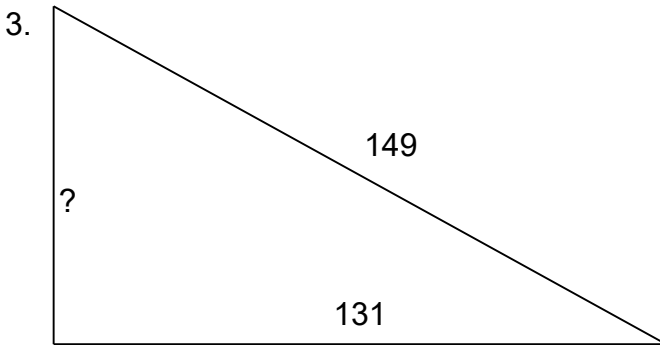
Find the length of the unknown side.



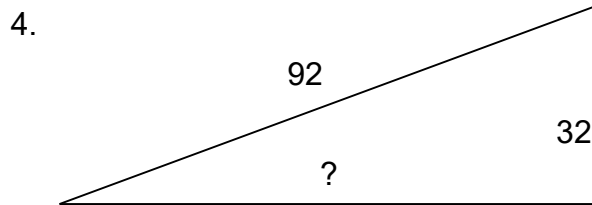
$$S = 49.960$$



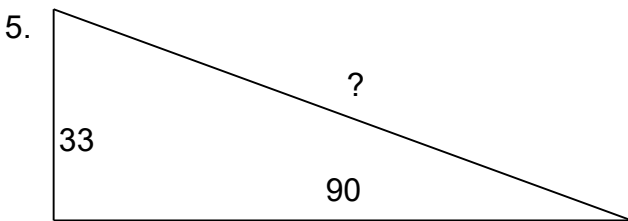
$$S = 78.230$$



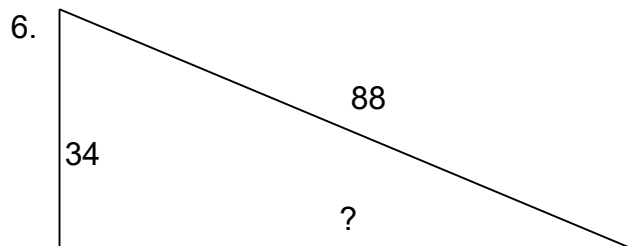
$$S = 70.993$$



$$S = 86.255$$



$$S = 95.859$$



$$S = 81.166$$