

Worksheet 1 - Name: _____

(Answers on 2nd page of PDF)

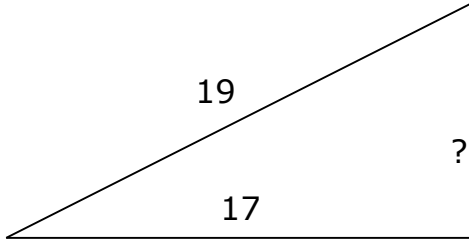
The theorem states that the square of the hypotenuse is the sum of the squares of the legs. Always understand that the Pythagorean Theorem relates the areas of squares on the sides of the right triangle.

Pay attention to this ----->

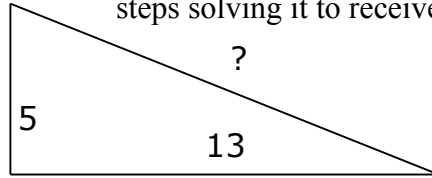
Be sure to show the equation from the Pythagorean theorem and the algebraic steps solving it to receive credit.

Use the Pythagorean Theorem to find the missing unit

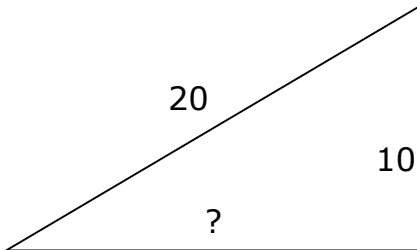
1.



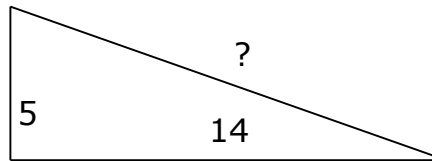
2.



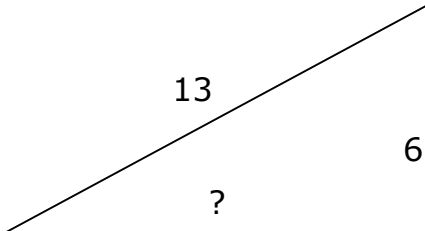
3.



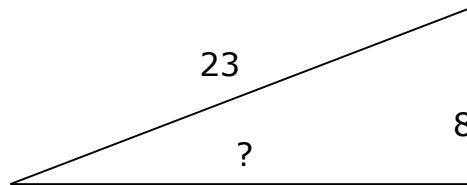
4.



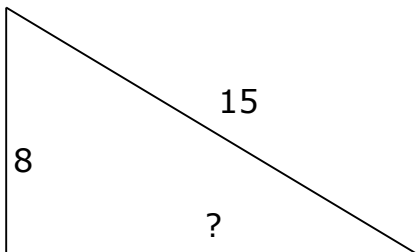
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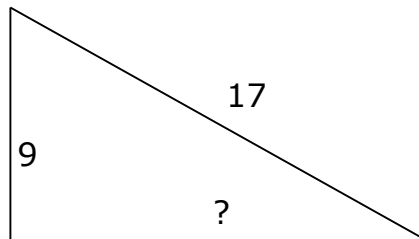
6.



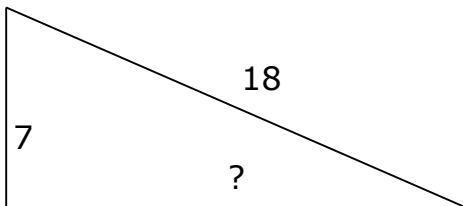
7.



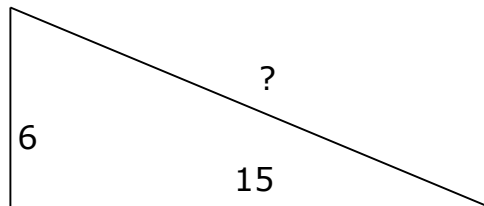
8.

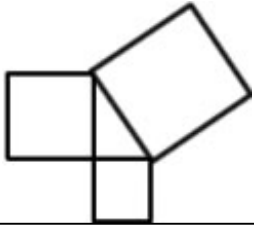


9.



10.





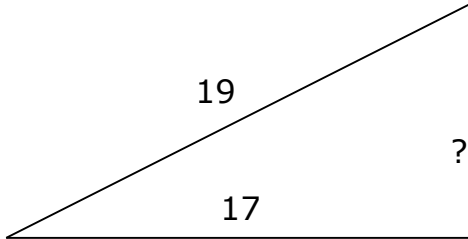
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The theorem states that the square of the hypotenuse is the sum of the squares of the legs. Always understand that the Pythagorean Theorem relates the areas of squares on the sides of the right triangle.

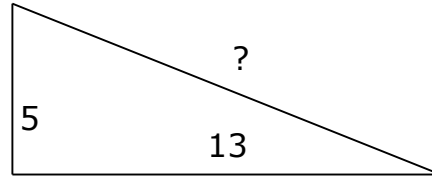
Use the Pythagorean Theorem to find the missing unit

1.



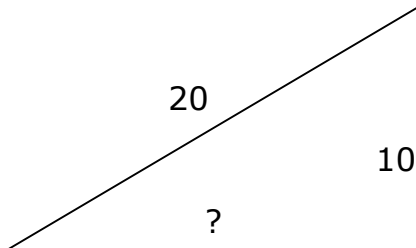
$$S = 8.485$$

2.



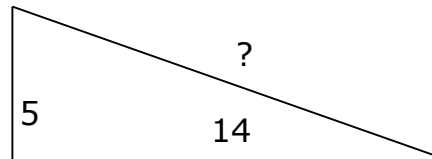
$$S = 13.928$$

3.



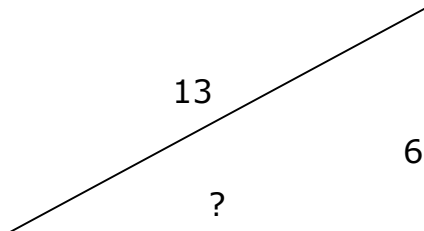
$$S = 17.321$$

4.



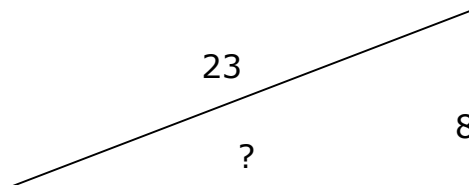
$$S = 14.866$$

5.



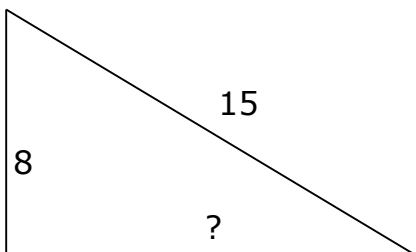
$$S = 11.533$$

6.



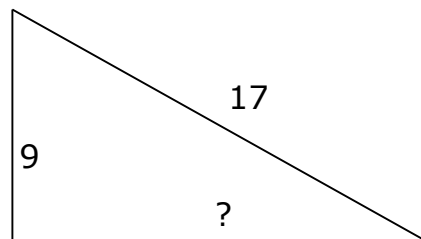
$$S = 21.564$$

7.



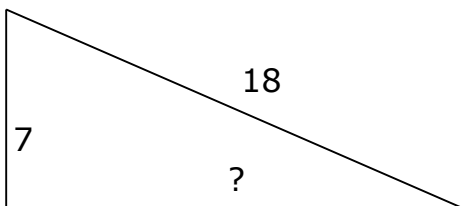
$$S = 12.689$$

8.



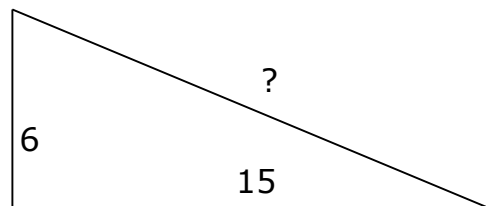
$$S = 14.422$$

9.



$$S = 16.583$$

10.



$$S = 16.155$$