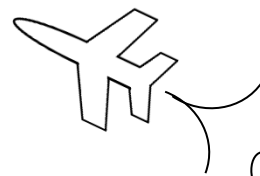


# Math on the Fly!

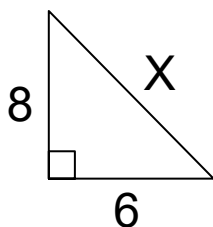


NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

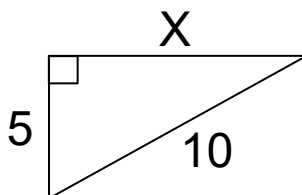
## The Pythagorean Theorem

Find the missing side in each right triangle.  
If you write the answer as a decimal, round the answer to two decimal places.

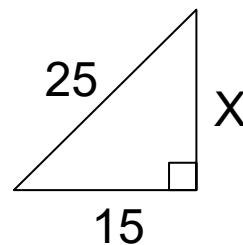
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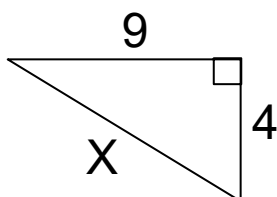
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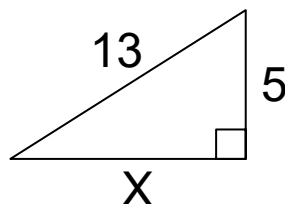
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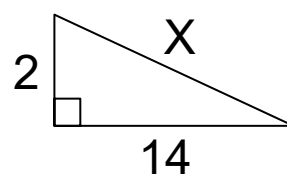
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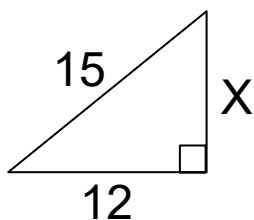
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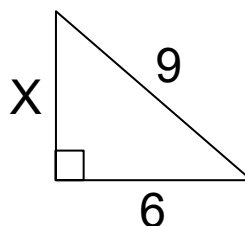
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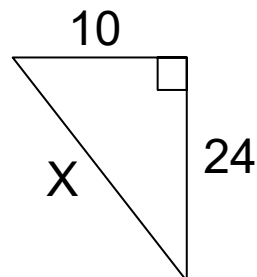
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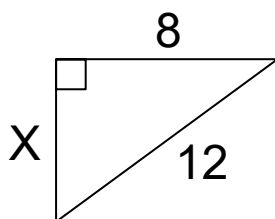
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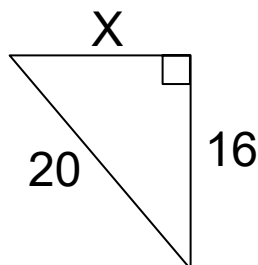
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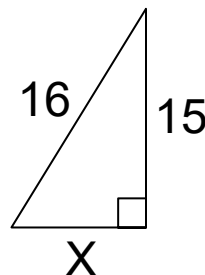
10.



11.



12.



## SOLUTIONS

1.  $6^2 + 8^2 = X^2$

$X = 10$

2.  $X^2 + 5^2 = 10^2$

$X = \sqrt{75} \approx 8.66$

3.  $X^2 + 15^2 = 25^2$

$X = 20$

4.  $4^2 + 9^2 = X^2$

$X = \sqrt{97} \approx 9.85$

5.  $X^2 + 5^2 = 13^2$

$X = 12$

6.  $2^2 + 14^2 = X^2$

$X = \sqrt{200} \approx 14.14$

7.  $X^2 + 12^2 = 15^2$

$X = 9$

8.  $X^2 + 6^2 = 9^2$

$X = \sqrt{45} \approx 6.71$

9.  $10^2 + 24^2 = X^2$

$X = 26$

10.  $X^2 + 8^2 = 12^2$

$X = \sqrt{80} \approx 8.94$

11.  $X^2 + 16^2 = 20^2$

$X = 12$

12.  $X^2 + 15^2 = 16^2$

$X = \sqrt{31} \approx 5.57$