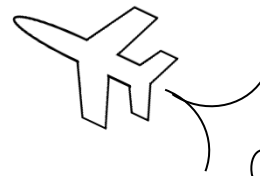


Math on the Fly!



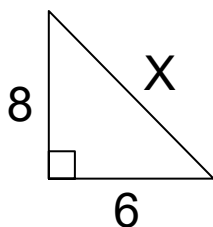
NAME: _____ DATE: _____

The Pythagorean Theorem

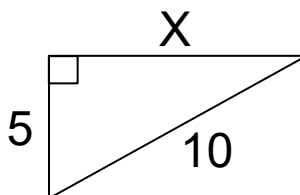
Find the missing side in each right triangle.

If you write the answer as a decimal, round the answer to two decimal places.

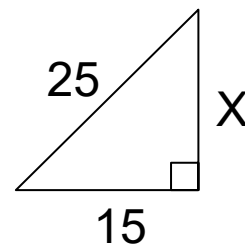
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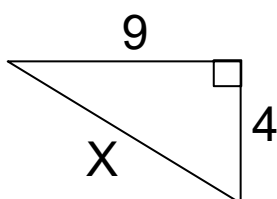
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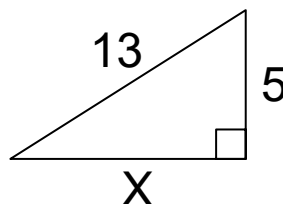
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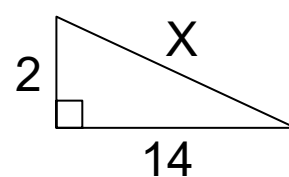
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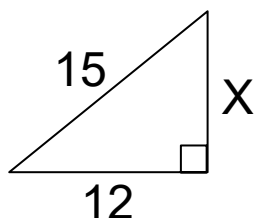
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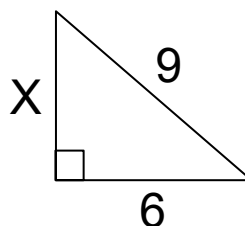
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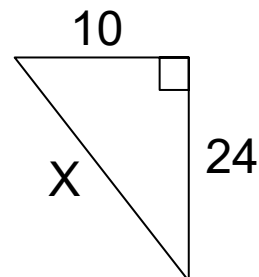
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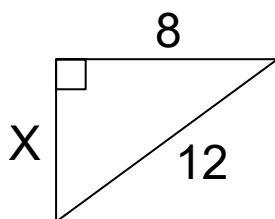
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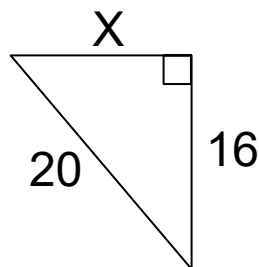
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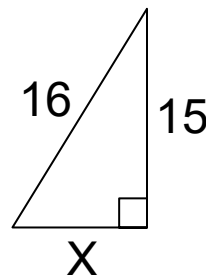
10.



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

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