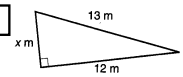
Find the missing measure in each right triangle.

1



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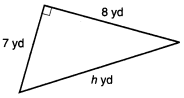

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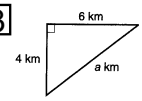

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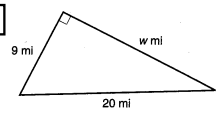
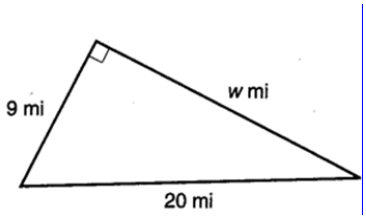


Simplify! No decimals!

4

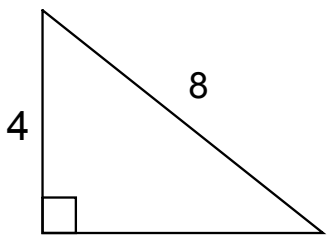


In the following word problems, draw a picture to help solve for the missing side length.

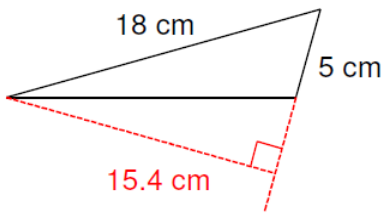
8. A painter leans a 15-foot ladder against a house. The base of the ladder is 5 feet from the house. To the nearest tenth of a foot, how high on the house does the ladder reach?

9. A pigeon leaves its nest and flies 5 miles east. The pigeon then flies 3 miles north. How far is the pigeon from its nest?

Find the missing side. No decimals!



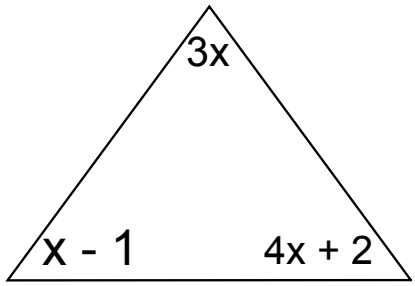
Find the area



With the given sides, is it a triangle?
If so, classify by sides and angles.

4, 4, 5

Solve for x.



With the given sides, is it a triangle?
If so, classify by sides and angles.

15, 20, 25

If a triangle has the two sides listed, describe what the third side (x) could be.

3, 12, x

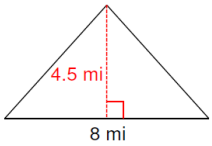
If a triangle has sides of measure
x, x + 4, and 3x - 5, find all possible values of x.

If a triangle has sides of measure
x, x + 4, and 3x - 5, find all possible values of x.

With the given sides, is it a triangle?
If so, classify by sides and angles.

7, 3, 12

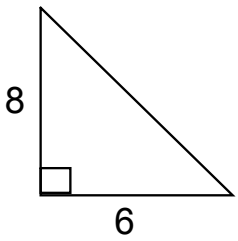
Find the area



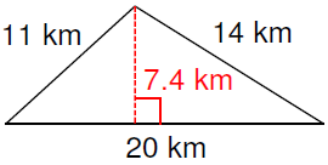
With the given sides, is it a triangle?
If so, classify by sides and angles.

8, 8, 8

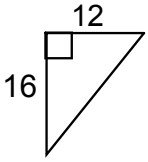
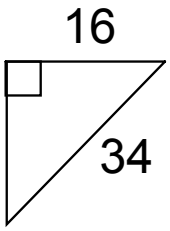
Find the missing side. No decimals!



Find the area



Find the missing side. No decimals!



Find the missing side. No decimals!