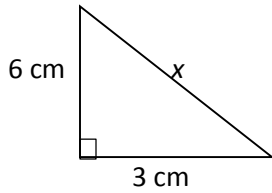


Pythagorean Theorem Super Practice

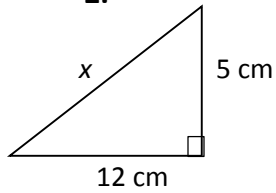
Name: _____ Period: _____

Directions: Find the length of the missing side of the right triangle. If your answer is not a perfect square, *estimate* it to the tenths place.

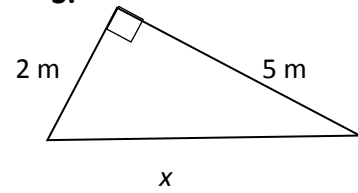
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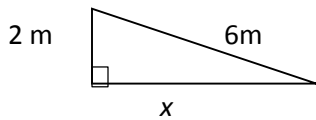
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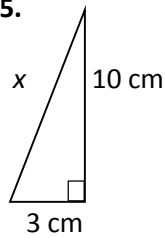
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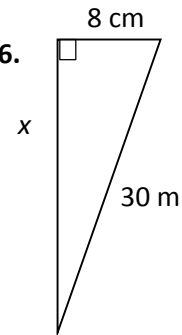
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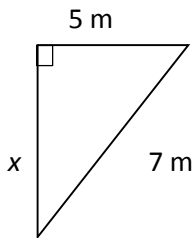
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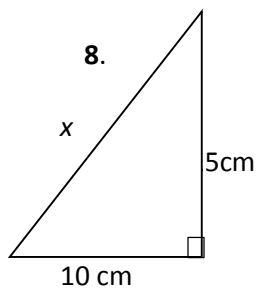
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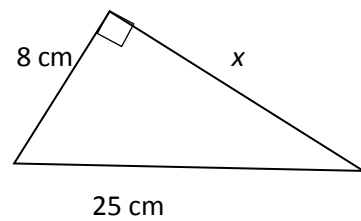
7.



8.



9.



Directions: For each of the problems 10 - 13 make a diagram, apply the Pythagorean Theorem, solve using steps and label your answer.

10. The bottom of a ladder must be placed 3 feet from a wall. The ladder is 12 feet long. How far above the ground does the ladder touch the wall?

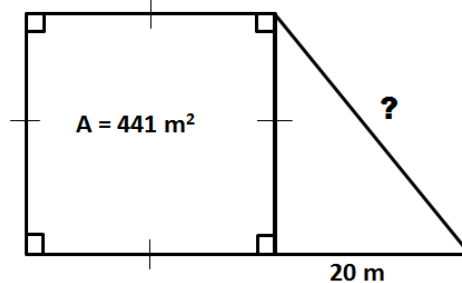
11. A soccer field is a rectangle 90 meters wide and 120 meters long. The coach asks players to run from one corner to the other corner diagonally across the field. What is the distance?

12. The diagonal of a rectangle is 25 in. The width is 15 in. What is the length?

13. The area of a square is 80 square centimeters. Find the length of a side. Find the length of the diagonal.

Directions: Use the Pythagorean Theorem to solve problems 14 and 15.

14. What is the measure of the hypotenuse?



15. What is the measure of the hypotenuse?

