

# Agenda

- Homework:

- “Pythagorean Theorem Solving for a missing side” Worksheet
- AM

- Materials you need:

- Notebook
- Calculator
- Pencil

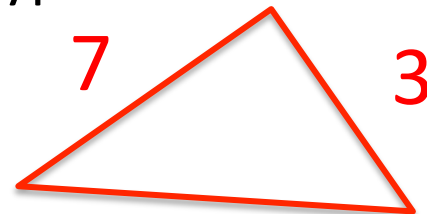
- Do Now:

- On your desk

- 1) Solve and write your answer in scientific notation

$$4.3 \times 10^3 + 5.6 \times 10^5$$

- 2) Find the length of the hypotenuse:

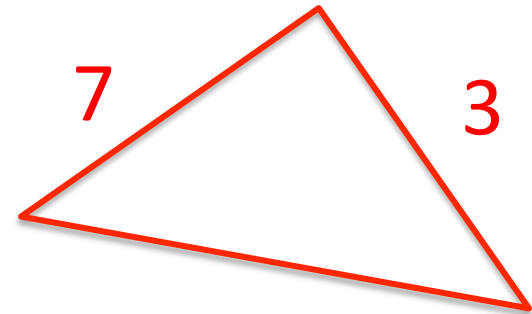


# Do Now

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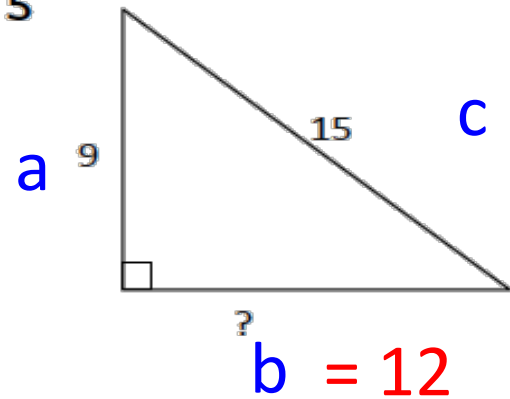
# How do you use Pythagorean Theorem to find a missing leg?



- 1) Label each of the sides
- 2) Plug into the Pythagorean Theorem & Solve

Solve for the length of a leg

Example 5



$$\begin{array}{r} (9)^2 + b^2 = (15)^2 \\ 81 + b^2 = 225 \\ - 81 \quad \quad - 81 \\ \hline \sqrt{b^2} = \sqrt{144} \\ b = 12 \end{array}$$

# Homework

- [Homework Worksheet](#)