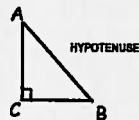
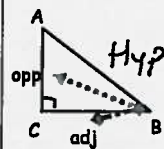


2.2 Ratio and Proportion pp 56-61

The side opposite to $\angle A$ is BC The side adjacent to $\angle A$ is AC

Adjacent means, "next to".

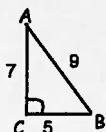
The opposite and adjacent side are named depending on which angle is being used.

Using $\angle B$, side AC is opposite and side BC is adjacent to $\angle B$.

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Example - Write a ratio comparing the side opposite $\angle A$ and the hypotenuse. Express your answer as a decimal.



Solution -

Using $\angle A$ side BC is opposite and AB is the hypotenuse.

$$\frac{BC}{AB} = \frac{5}{9} = 0.5555 \text{ or } 0.56$$

ratio

decimal

$$5 \div 9$$

Textbook Assignment

pp 59 # 1

pp 60 # 3,4,5

pp 61 # 6, 8

Handout - Pythagorean Theorem and Ratio

You will need a scientific calculator.

IF NOT:

If you do not have one, please download an app. I have checked all three systems - Android, Blackberry and Apple and they all have TRIGONOMETRY applets.

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