Before we begin, are there any questions from last day's work?

# Today's Learning Goal(s):

By the end of the class, I will be able to:

- a) state the 3 primary trig ratios for a right triangle.
- b) solve a right triangle using trigonometry.

### 5.1.1 Reviewing the Primary Trigonometric Ratios to Solve Right Triangles (SOH CAH TOA

#### Reminders:

Make sure your calculator is in DEGREE mode.

Unless otherwise stated round sides to three decimal places, and angles to two decimal places.

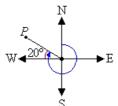
Use capital letters for vertices, and lower case letters for the sides of a triangle.

Bearing refers to the angle between due north and the line of travel of an object measured in degrees in a

clockwise direction. For example, in the diagram below right, the bearing of point P is 290

Generally speaking, there are 3 types of trig equations to solve:

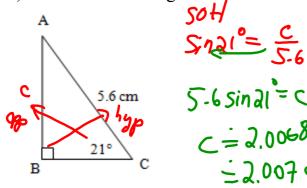
- a) the variable is on the top
- b) the variable is on the bottom
- c) the variable is the angle (use an inverse trig operation on your calculator)



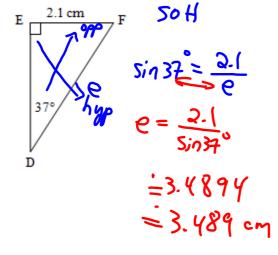
Date: Apr. 25/17

## Examples

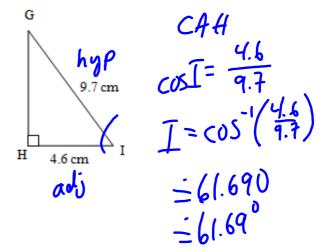
a) Determine the length of c.



b) Determine the length of e.



c) Determine the measure of  $\angle I$ .



# Be ready for tomorrow's Unit 4 Summative!!

Tonight's Work pp.26-29 2a,3abc,4ef,13,14,16