Math 10: Unit 8.1: Trigonometry

A) What is trigonometry?

-in Greek: *trigōnon* =
            metria   =

B) How is it used in right triangles?

notes: words like: opposite
                    adjacent
                    hypotenuse

       words like: sine
                    cosine
                    tangent

C) How to do it?
-make sure calculator is in **DEGREE** mode! Not RADIENT or GRADIENT!

Re:

Ex: sin 65^0

Ex: cos 65

Ex: tan 65

Try: sin 30

   sin 45

   sin 90

D) What if given the ratio, and want to find the angle?

Ex: sin θ = 0.6358

Ex: cos θ = 0.6358

Ex: tan θ = 0.6358

E) How can we use these ratios to find the missing sides or angles of a triangle?

Ex:

Ex:

Ex:

Try:
i)

ii)

iii)

iv)

-Pg 316 #1, 2: first column; 3: all, 4abcd
-10 questions from provincial exam