Before we begin, are there any questions from last day's work 5.2.1

pp.61-62 1,3c,4,6,8

pp.69-70 1c,3,5,7,9

(Tuesday's quiz will be based on the first three lessons; this includes today's)

Today's Learning Goal(s):

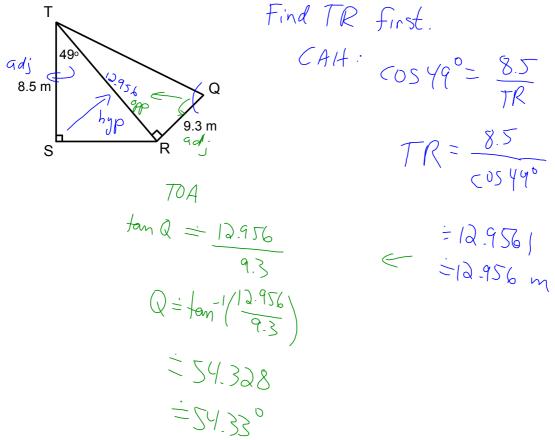
By the end of the class, I will be able to:

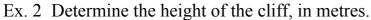
a) solve trigonometry questions involving more than one triangle.

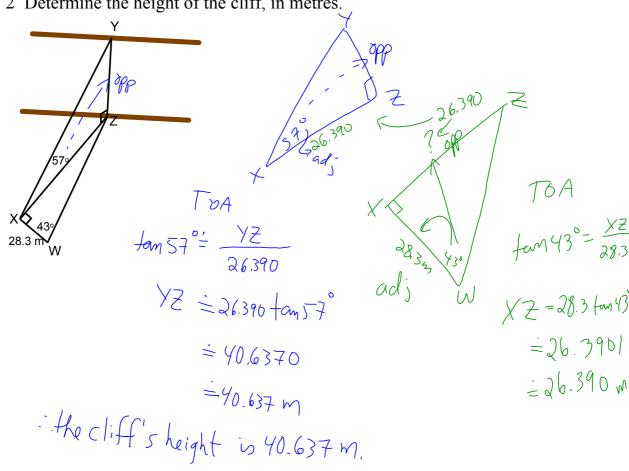
5.3.1: Solving Problems Involving More Than One Triangle

Ex. 1 Determine the measure of $\angle Q$.

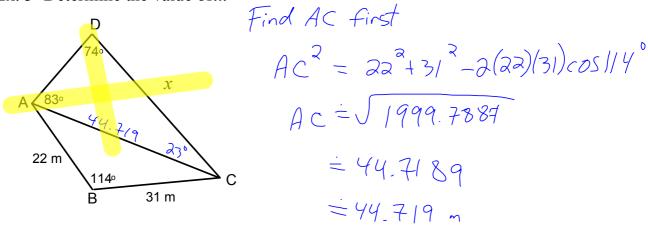








Ex. 3 Determine the value of x.



Now we the fine law:
$$\frac{x}{\sin 83^{\circ}} = \frac{44.719}{\sin 74^{\circ}}$$

$$x = \sin 83^{\circ} \times \frac{44.719}{\sin 74^{\circ}}$$

$$= 46.1743$$

$$= 46.1744$$