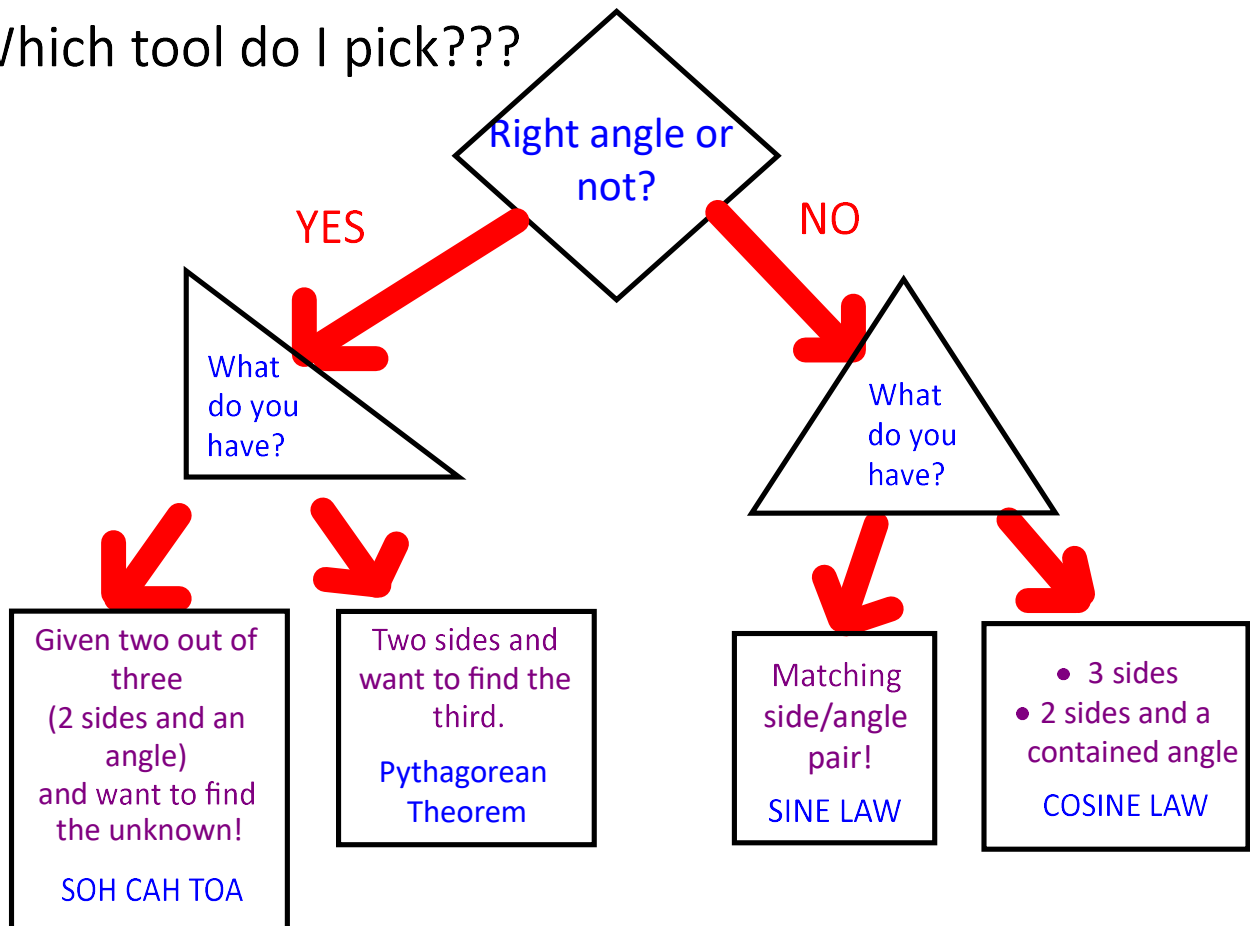


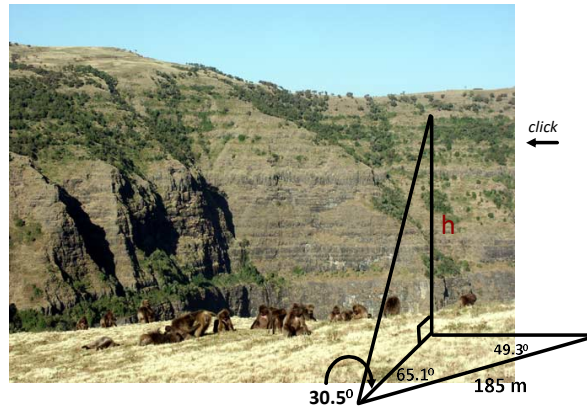
Which tool do I pick???



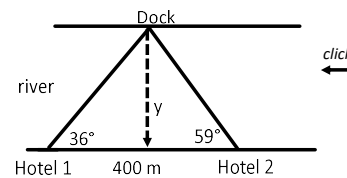


1.9 Solve Problems with Trigonometry

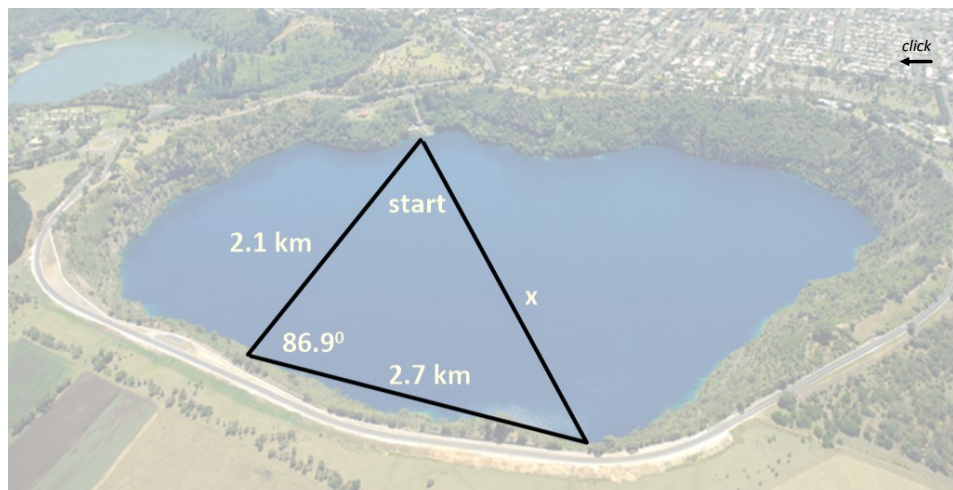
1. To measure the height, h , of an inaccessible cliff, a surveyor records the data shown. Find the height of the cliff, to the nearest metre.



2. Two hotels are located on the same side of a river, 400 m apart. There is a ferry dock on the other side of the river, as shown. How wide is the river?



3. The swimming portion of a triathlon course is shown below. Find the distance they have to swim in total.



4. Alex is making a triangular garden with side lengths 12 m, 7 m and 8 m. Find the measure of the largest angle between the sides.

Practice!

Set 1: p. 427#1,2,3a,4,7

Set 2: p. 427#1,3a,6,7,10,13