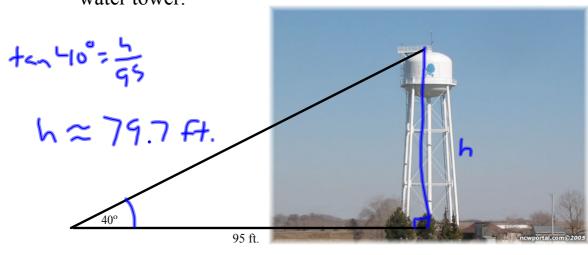
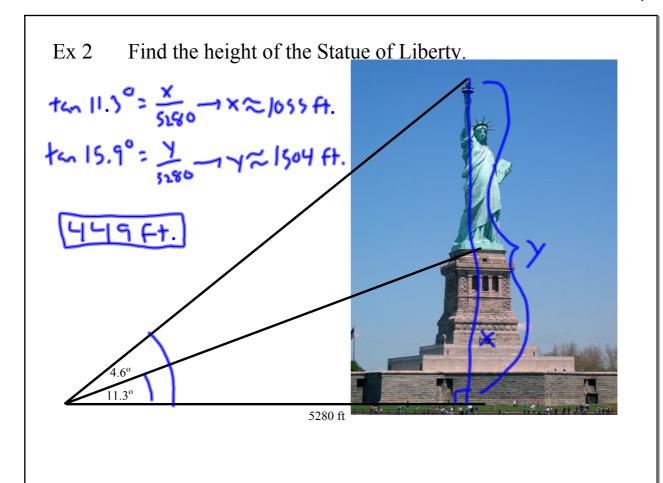
4-8 Trigonometry Applications

Ex 1 Find the height of the water tower.



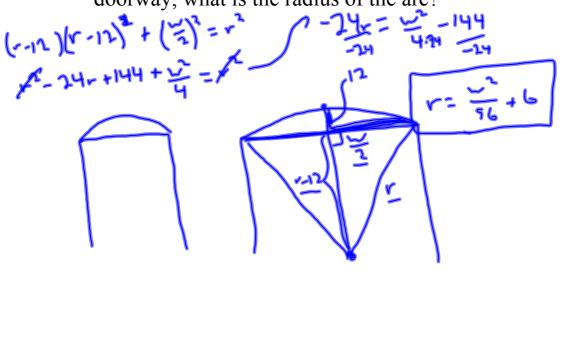


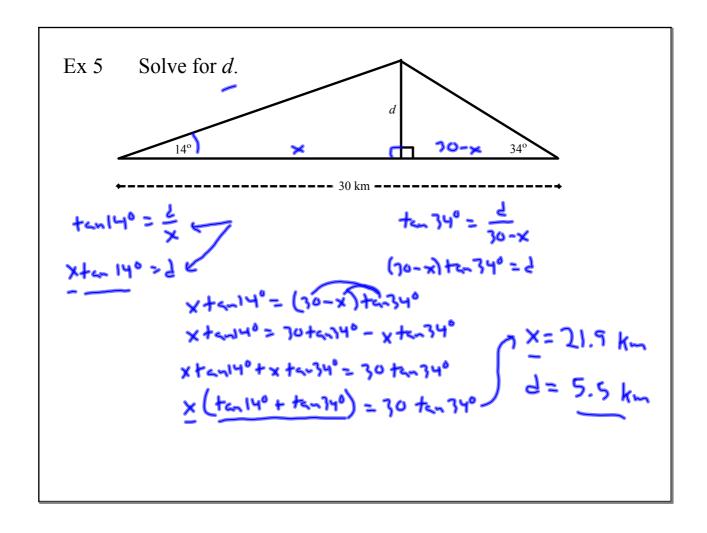
Ex 3 One night, when Mr. Ebert was playing records on his record player, a fly was sitting on his favorite Barry Manilow record. The distance the fly was from Mr. Ebert at different times is shown below. Find a sine regression model for this situation, and interpret the model.

d	
5 f t.	
7	Y=
9	
10	1
8	
6	
5	
	5 ft. 7 9 10 8 6

4-8 Notes.notebook November 30, 2011

Ex 4 In the Oregon High School construction class, Mr. Prahl was trying to figure out how to cut the 12" high arc above a doorway. If you know the width of the doorway, what is the radius of the arc?





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