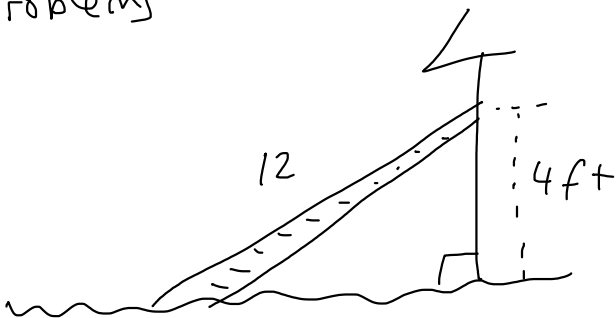


A&W Math 11 Unit 3.3: Trigonometric applications

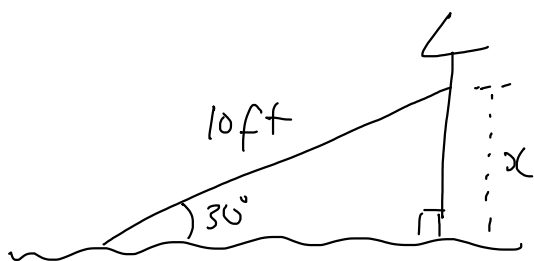
A) Problems

Ex:



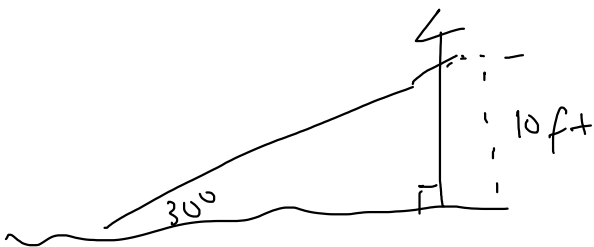
Find the angle of the ladder to the ground.

Ex:



How high up the house does the ladder reach?

Ex:



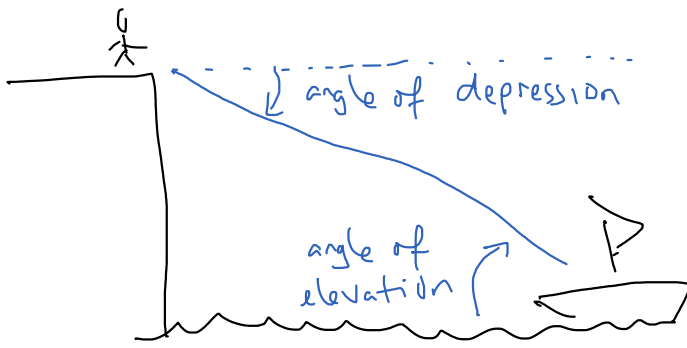
How long is the ladder?

Ex:



A 3m long ramp is 1m off the ground. Find the angle of the ramp.

B)



angle of elevation =  
angle of depression

EX: submarine travels 200 horizontally while  
dropping 300m. Find the angle of depression

- do: handout + pg 212 #2-4