

Questions?

5.1.4 Applications

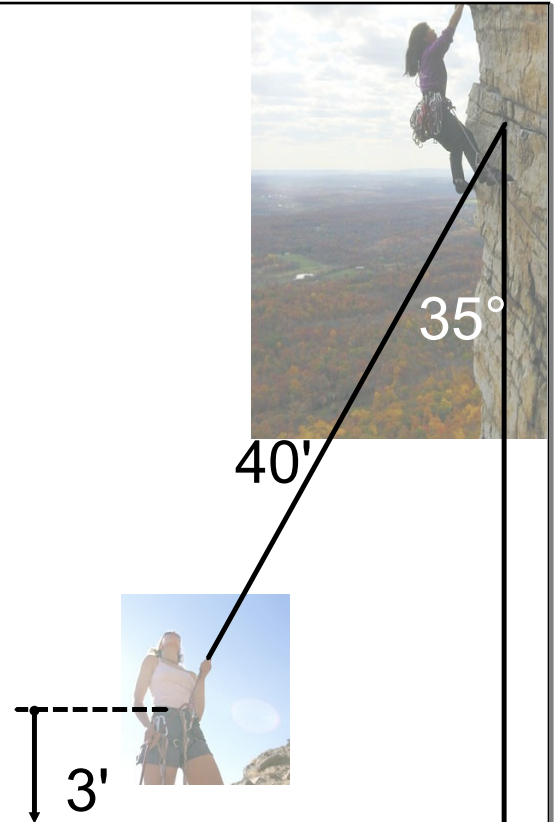
CW 5-31 to 5-35

HW 5-36 to 5-38 , and 5-40

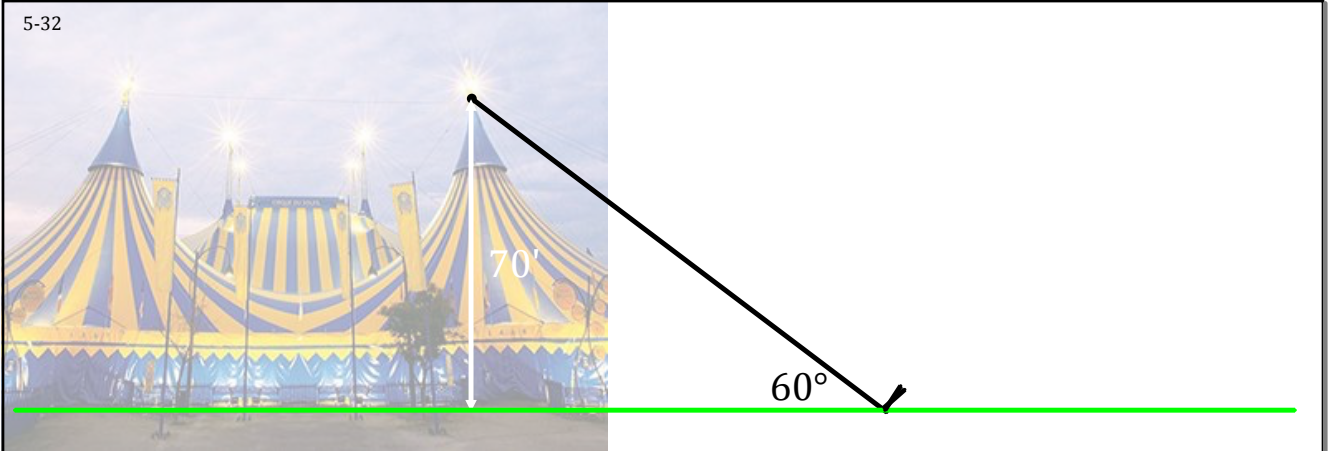
5-31

How far off the ground is the climber?

How far from the cliff is the belayer?



5-32



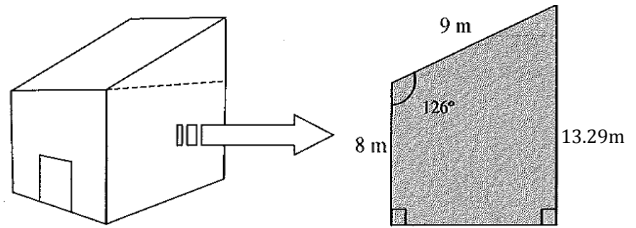
A circus tent has a support cable from the top of the big-top pole to the ground, with an angle of elevation of 60° .

1. How long is the cable?
2. The cable's peg will be how far from the base of the pole?

5-34

Tommy wants to paint the south side of his house. If one can of paint covers 150 sq ft of surface, how many cans of paint does Tommy have to buy?

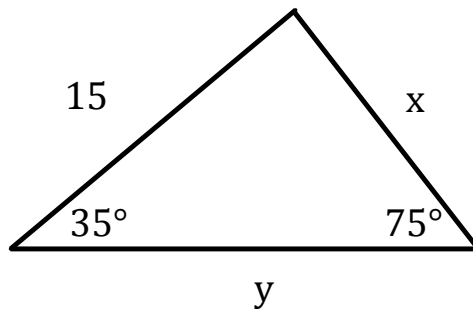
1 sq m \approx 10.764 sq ft



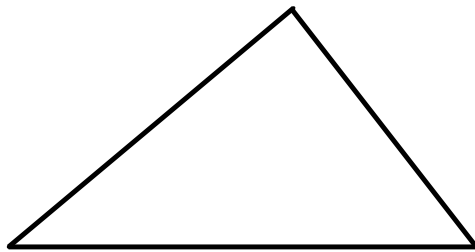
Mt Fuji is 12,400 ft high. The clinometer on your phone indicates the peak is at an angle of elevation of 30° . How far are you from the point directly below the peak?



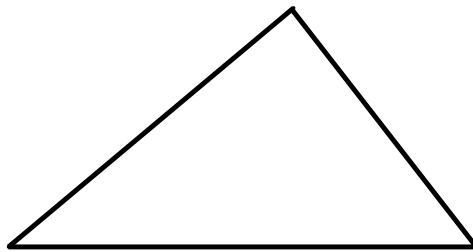
Find x and y



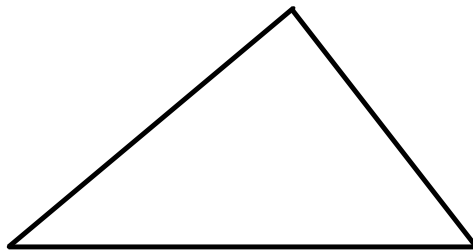
More?



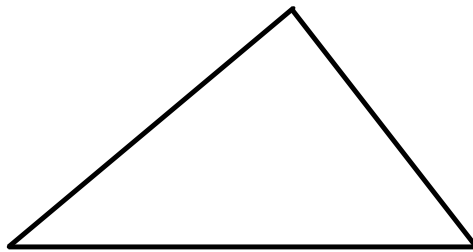
Plus?



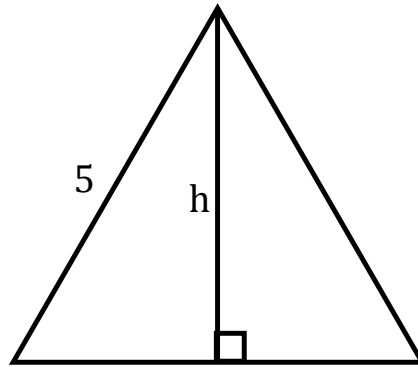
Mas?



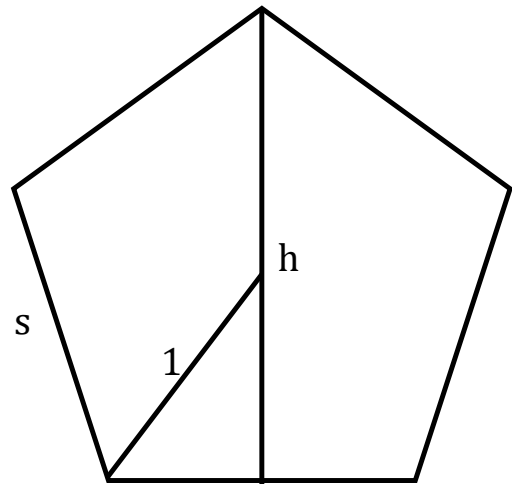
Mehr?



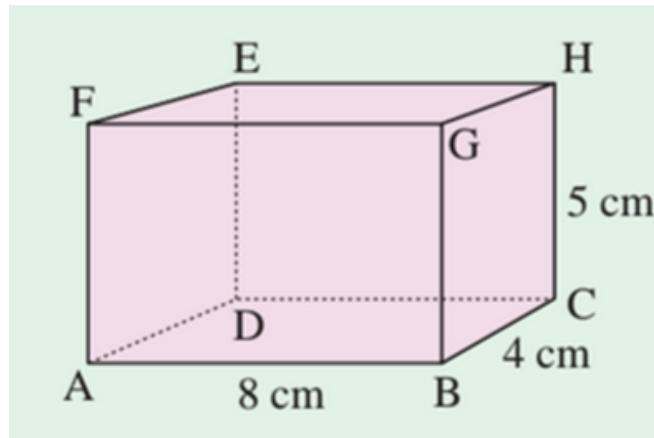
Find the height of this equilateral triangle.

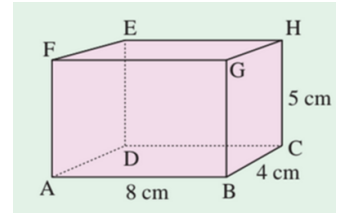


This regular pentagon has a radius of 1.
Find the side length(s) and the height(h).



Find angle HAC





HW 5-36 to 5-38 , and 5-40

