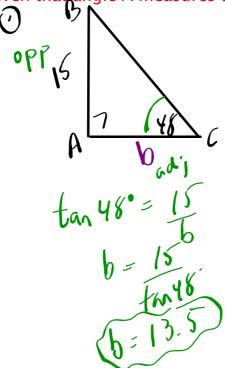
Warm Up...

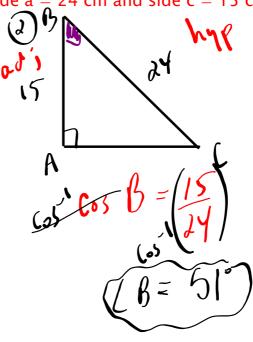
1. Sketch the following triangle and find side b: 50μ 60μ

 Δ ABC, given that angle A measures 90°, angle C easures 48° and side c = 15 cm.

2. Sketch the following triangle and find the measure of angle B:

ΔABC, given that angle A measures 90°, side a = 24 cm and side c = 15 cm.





Review

HORIZON

STANT

elevation Man

GROUND

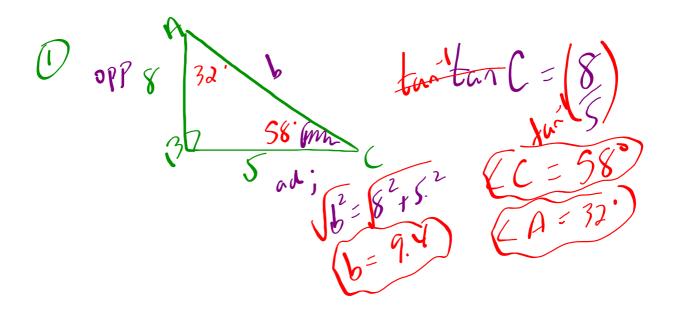
Hw???

Sharon is flying a kite on a string 130 m long. Determine the height of the kite if the string is at an angle of 34° to the ground. What assumptions are you making?

130514 34. = X(130

(72,7m=x

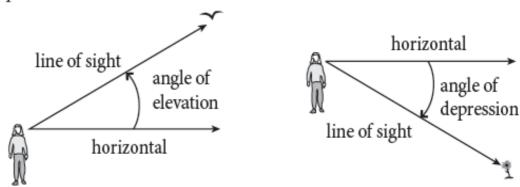
hy? 30 m

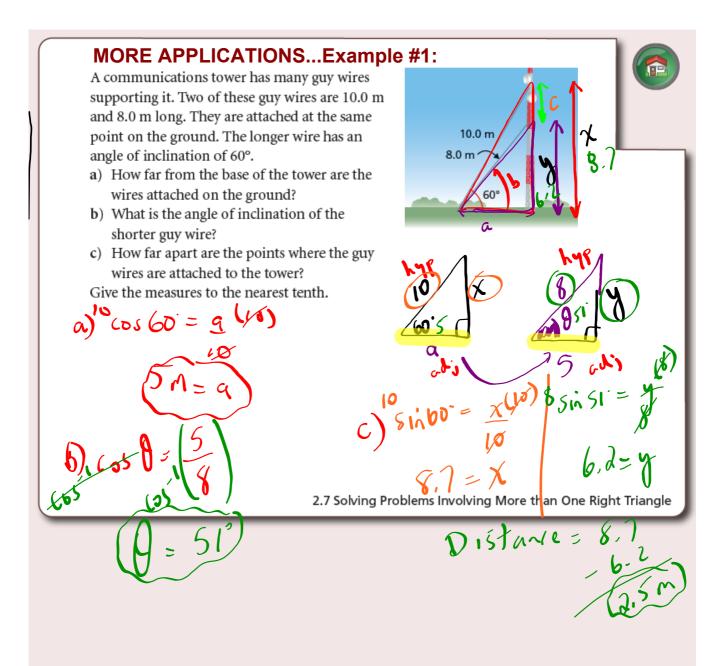


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REMEMBER...

- An angle of elevation is measured from the horizontal upwards.
- An angle of depression is measured from the horizontal downwards.







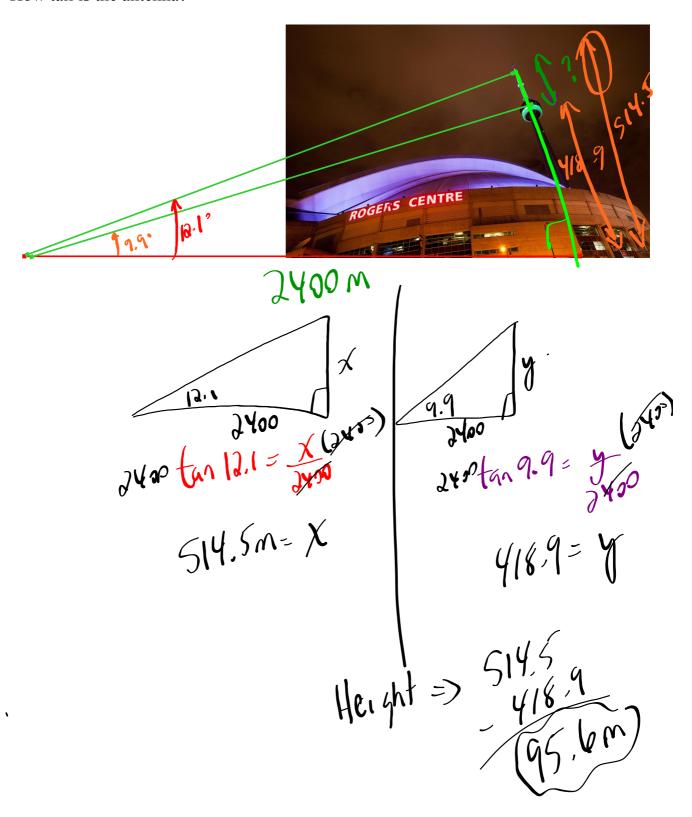
13. a) 5.0 m **c)** 2.4 m

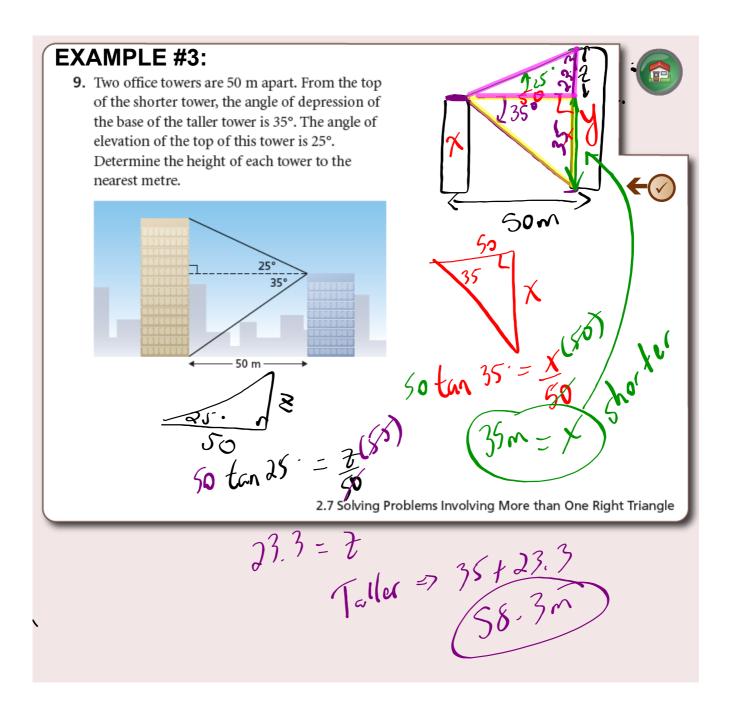
b) 51.3°

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EXAMPLE #2:

An antenna is on the top of the CN Tower in Toronto. From a point 2400 m away, the angles of elevation to the top and bottom of the antenna are 12.4 and 9.9° respectively. How tall is the antenna?





HOMEWORK... Do # 5 - 11 (omit 8)

Worksheet - Applications.pdf

Worksheet - Applications.pdf