

Today's Learning Goal(s):

By the end of the class, I will be able to:

- a) Understand when and how to use:
 - i) the pythagorean theorem (PT)
 - ii) SOH CAH TOA
 - iii) the sine **law**
 - iv) the cosine **law**
- b) correctly use all the formulae on the formula sheet
- c) be ready for the Unit 1 Summative on Trigonometry!!

Return **2017** Correct SWYK 1.4
 Done: *and any other unreturned items*

Correct Review Homework

p. 53 #12, 15

pp. 54-55 #3, 6, 9, 8* (* do last)

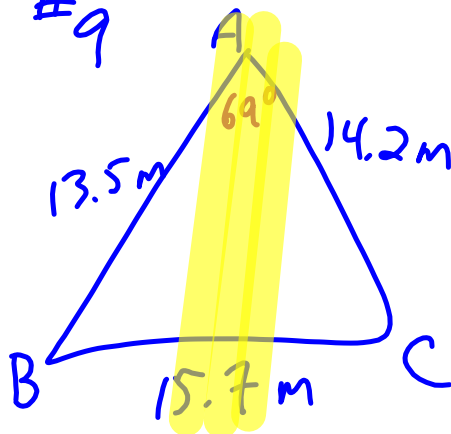
Study for Unit 1 Summative

Correct 1.5 work: p. 49 #6 **2017**
 (if not already done) p. ~~52~~ #1b, 2, 5, 8

Study for Unit 1 Summative

Submit Friday's and yesterday's homework.
(they are the 2 above; green and orange.)

p.55 #9



CB

$$\frac{\sin B}{14.2} = \frac{\sin 69^\circ}{15.7}$$

$$\frac{15.7 \sin B}{15.7} = \frac{14.2 \sin 69^\circ}{15.7}$$

$$\sin B = \frac{14.2 \sin 69^\circ}{15.7}$$

$$B = \sin^{-1}\left(\frac{14.2 \sin 69^\circ}{15.7}\right)$$

$$\approx 57.60$$

$$\approx 57.6^\circ$$

$$\cos A = \frac{13.5^2 + 14.2^2 - 15.7^2}{2(13.5)(14.2)}$$

$$A = \cos^{-1}\left(\frac{137.4}{383.4}\right)$$

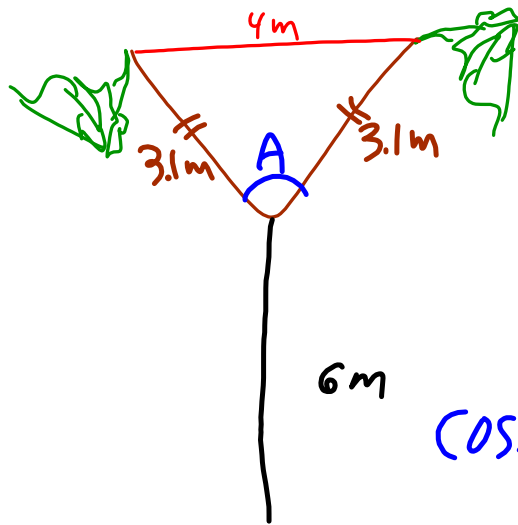
$$\approx 68.99$$

$$\approx 69.0^\circ$$

$$C = 180^\circ - 69^\circ - 57.6^\circ$$

$$\approx 53.4^\circ$$

p.55 #8

Rope
is 6.2m

$$\cos A = \frac{3.1^2 + 3.1^2 - 4^2}{2(3.1)(3.1)}$$

$$A = \cos^{-1}\left(\frac{3.22}{19.22}\right)$$

$$\approx 80.35$$

$$\approx 80.4^\circ$$