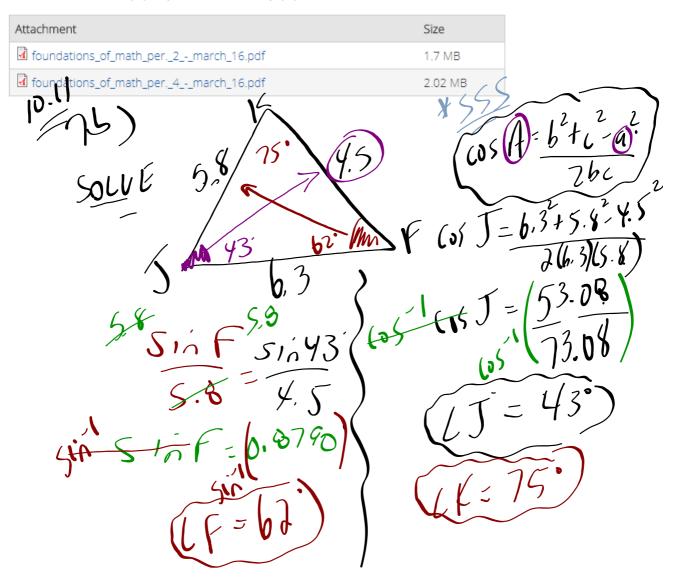
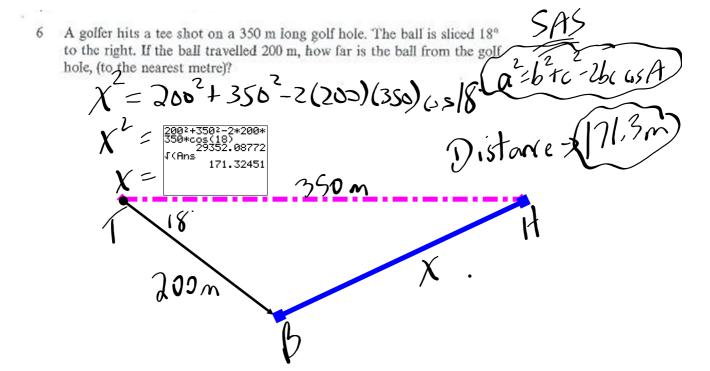
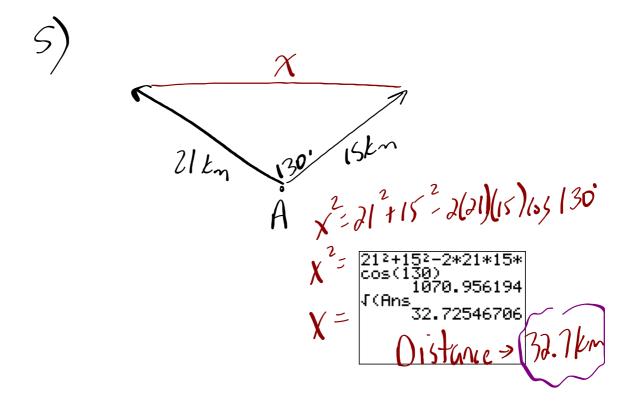
## Foundations of Math 11 - March

HOMEWORK: 10.11 #1, 2, 5ac, 7ab AND 10.12 #1, 2, 5, 6

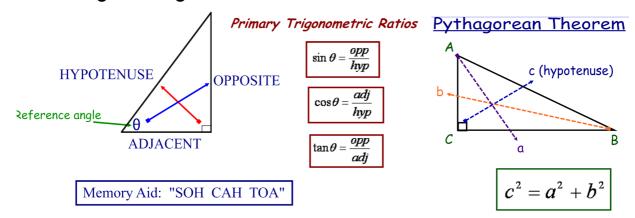






## REVIEW - What formula do I use? Ask yourself...

- Is it a right triangle? If Yes, then...



- If you are finding a side, do you have SAS? If Yes, then...

## Law of Cosines

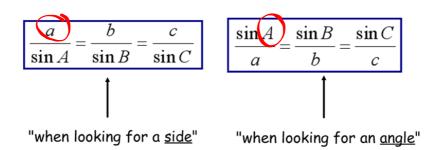
$$a^2 = b^2 + c^2 - 2bc \cos A$$

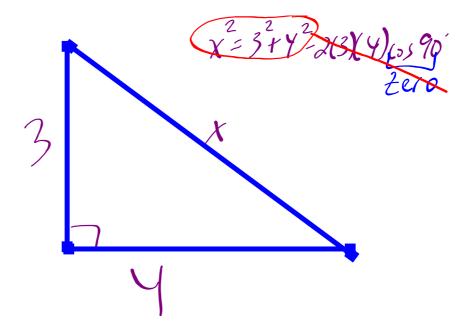
- If you are finding an angle, do you have SSS? If Yes, then...

Law of Cosines (rearranged)

$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

- Anything else...use your Law of Sines!





## HOMEWORK...

Puzzle Review - Primary Trig, Law of Sines\_Cosines.pdf

$$\sin\theta = \frac{opp}{hyp}$$

$$\cos\theta = \frac{adj}{hyp}$$

$$\tan \theta = \frac{opp}{adj}$$

$$c^2 = a^2 + b^2$$

$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

In Class Assignment on Wednesday!

Puzzle Review - Primary Trig, Law of Sines\_Cosines.pdf