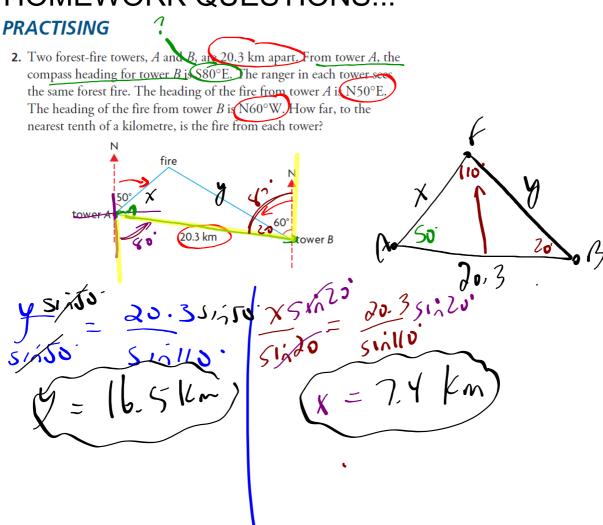
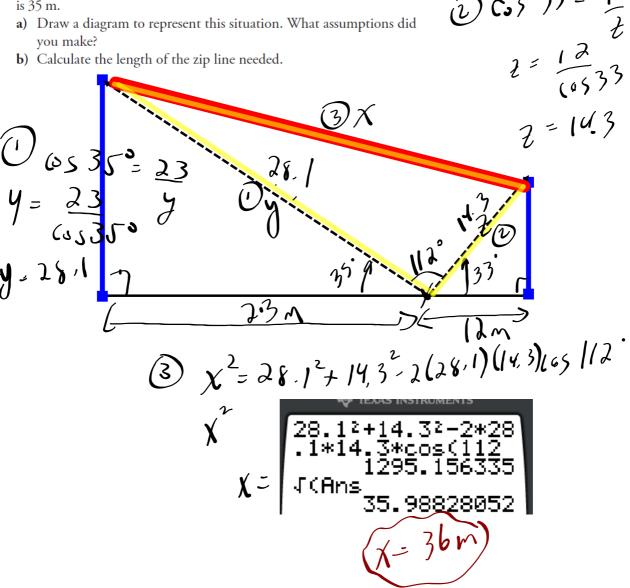
HOMEWORK QUESTIONS...

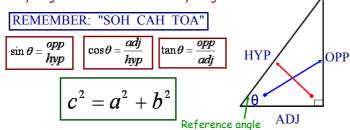


13. A zip line is going to be suspended between two trees. From the forest floor, 12 m from the base of the smaller tree, the angles of elevation to the tree platforms measure 33° and 35°. The distance between the two trees is 35 m.

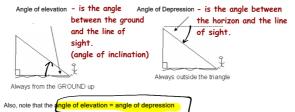


REVIEW - Trigonometry

Pythagorean Theorem & Primary Trig Ratios



• Applications of Primary Trig



• Law of Sines & Its Applications

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

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

$$\Rightarrow \Rightarrow A$$
"when looking for a side" "when looking for an angle"

Ambiguous??? Need 3 C's...

CRITERIA CALCULATION CASES

- SSA
- h = bsinA
- 1) a < h

- acute angle

(no solution)

- a < b

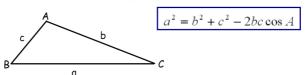
- 2) a = h
- (1 right triangle)
- Law of Cosines & Its Applications
- 3) a > h

... о, осошоо с 210 г.рриоши

2 Solutions...Law of Sines Calc & 180 - Calc

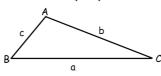
Finding an unknown side...

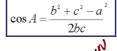
• 2 sides and a contained angle (SAS)



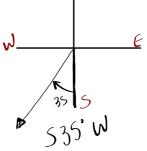
Finding an unknown angle...

• 3 known sides (SSS)





- Bearings and Multi-step Word Problems
- "Solving" find ALL angles & sides



Untitled.notebook October 24, 2017

Review for Test - Lots of Practice from the Textbook!!!	
Chapter Review	Page 128 (hp 3
(Frequently Asked Questions)	Page 153
Friday	Page 174 Page 199
Practice Questions	Page 129 #1 - 9 7
* Ambiguous (ase > 4.3 All 1)d	Page 129 #1 - 9 → Page 154 #1 - 12
	Page 175 #1 - 9 Page 200 #1 - 8
Practice Tests hull	Page 152 #1 - 8 Ch ? 3 Page 198 #1 - 7 Ch ? 3
	Page 198 #1-7 (hy . 1