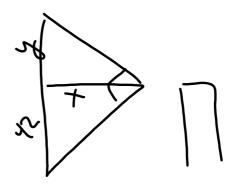
Lesson 8-9: Double Trig

Agenda - Check HW 8-8 Notes 8-9

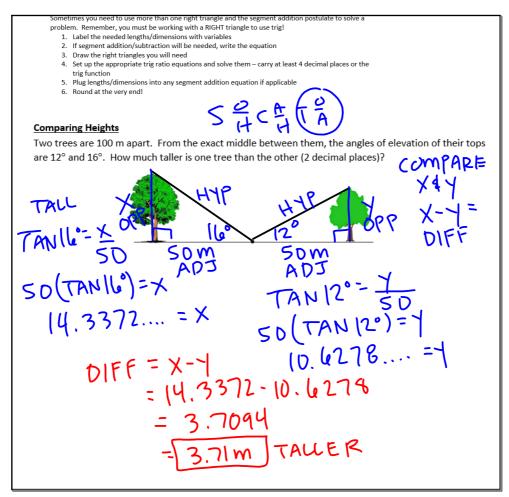
HW - 8-9 Quiz - Next Class



GEOMETRY	Name:	Section:	_ Date:
9-9 PEG + 9-11 LAP Double Trig Problems			

Sometimes you need to use more than one right triangle and the segment addition postulate to solve a problem. Remember, you must be working with a RIGHT triangle to use trig!

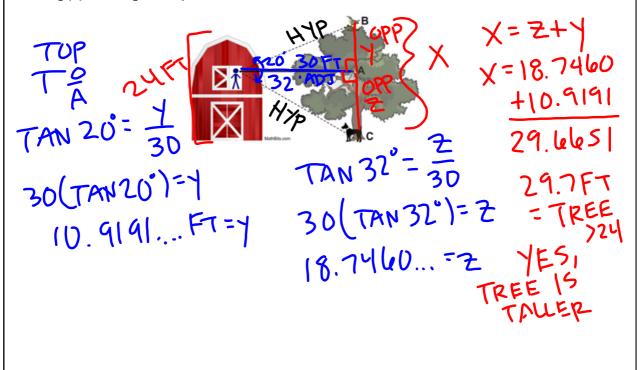
- 1. Label the needed lengths/dimensions with variables
- 2. If segment addition/subtraction will be needed, write the equation
- 3. Draw the right triangles you will need
- 4. Set up the appropriate trig ratio equations and solve them carry at least 4 decimal places or the trig function
- 5. Plug lengths/dimensions into any segment addition equation if applicable
- 6. Round at the very end!

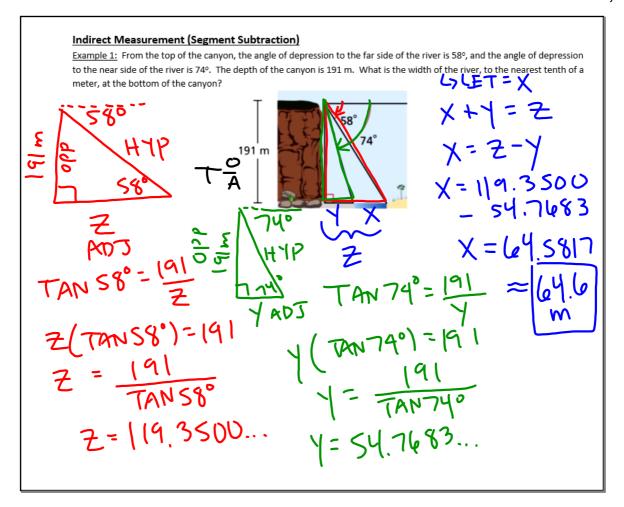


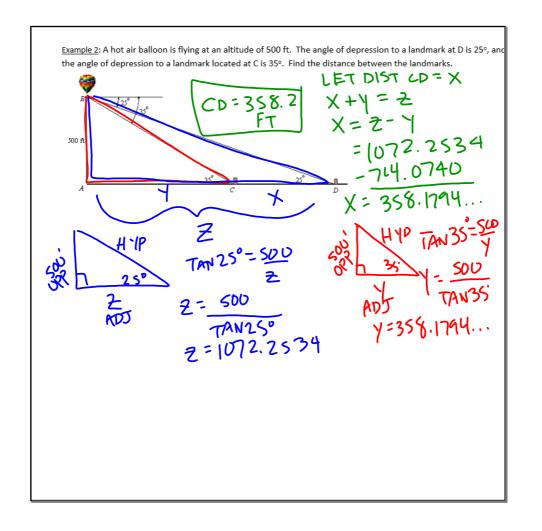
Adding Lengths (Segment Addition)

LET X=HEIGHT OF TREE

A farmer standing in his hay loft 30 feet from a tree can see a bird (B) at an angle of elevation of 20° and a dog (C) at an angle of depression of 32°. Is the tree taller than his 24 foot tall barn?







Bridge to 8.docx

Quiz 1 L.pdf