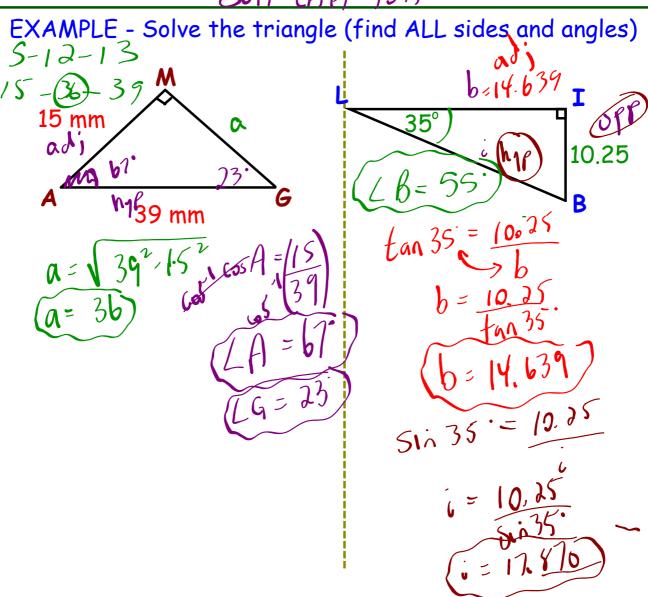
HOMEWORK QUESTIONS...



SOH LAH TOA



Applications of Right Angle Trigonometry

ANGLE OF ELEVATION/DEPRESSION

Angle of elevation - is the angle Angle of Depression - is the angle between between the ground and the line of sight.

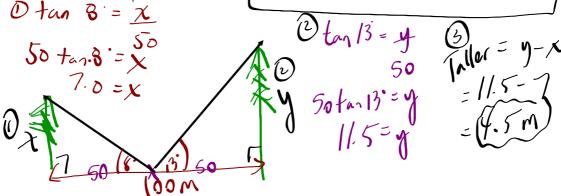
(angle of inclination)

Always outside the triangle

Always from the GROUND up

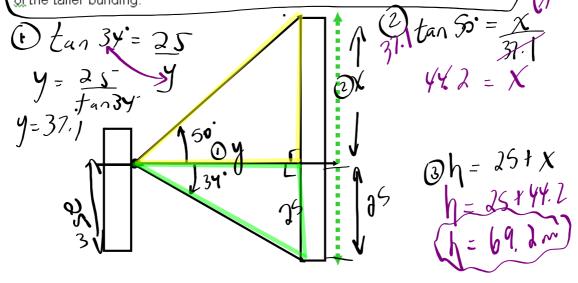
Example 1:

Two trees are 100m apart. From a point on midway between them, the angles of elevation to their tops are 8° and 13° I How much taller is one tree than the other?



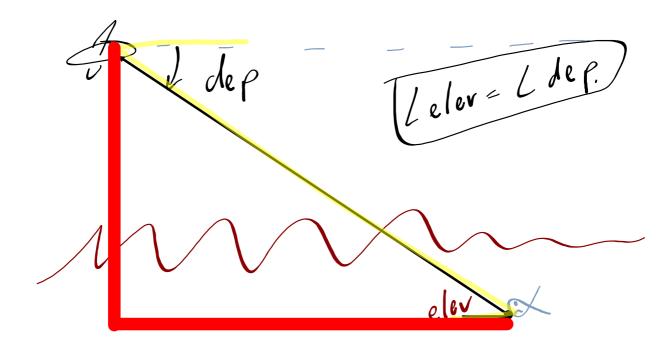
Example 2:

The 8th floor of an apartment building is 25m above the ground. From the 8th floor, the angle of elevation to the top of the other building is 50°. The angle of depression to the base of the taller building is 34° Determine the height of the taller building.



1 tan 34 = 25.4 1 tan 34 1 tan 34

Mr. Hallihan's Artistic Talent...



Exercise HOMEWORK SOLVE 10.7 #1/0,#1/ac,#/20c Word 10.9 #1,3-6 Problems 10.9 #1,3-6