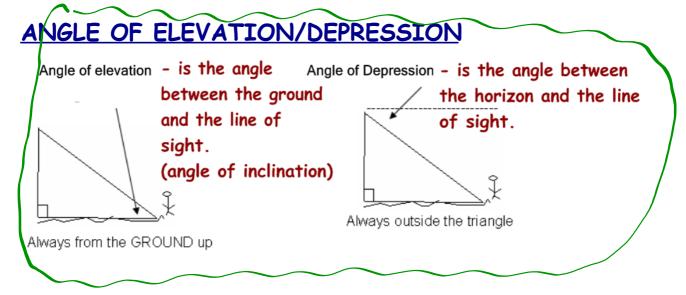
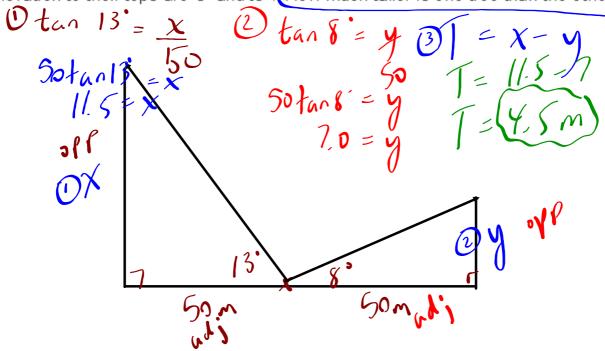


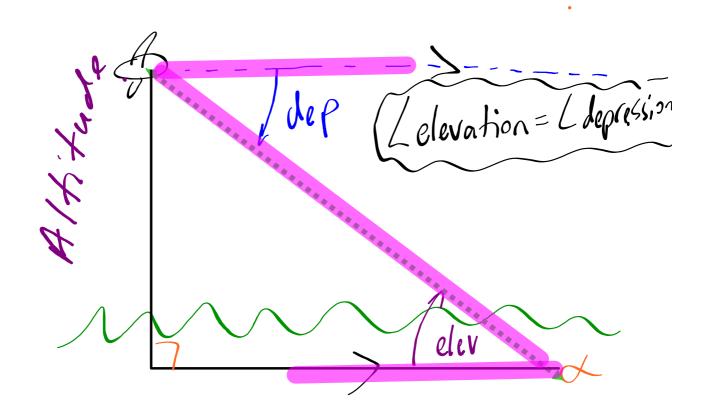
Applications of Right Angle Trigonometry



Example 1:

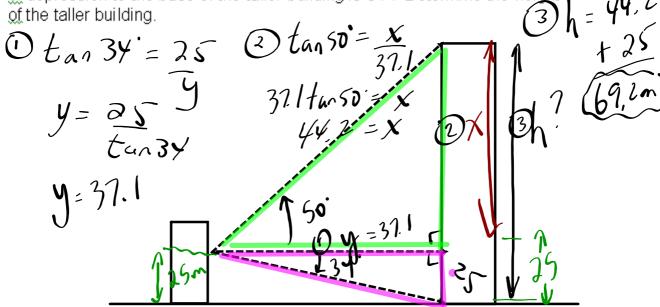
Two trees are 100m apart. From a point on midway between them, the angles of elevation to their tops are 8° and 13°. How much taller is one tree than the other?





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



HOMEWORK: 10.7 (Solving) #10, 11abd

10.8 (Applications) #1, 3, 4, 5, 6