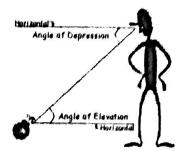
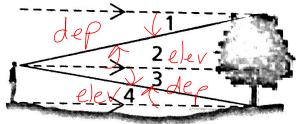
Notes: Angle of depression and angle of elevation Sharing

Angle of <u>evalor</u>: angle your line of sight makes with the horizontal when you look **up**

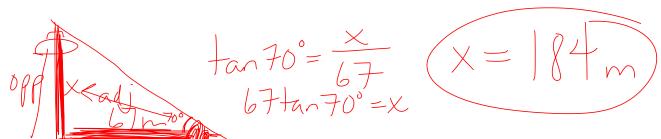


Angle of Angle of Sight makes with the horizontal when you look down

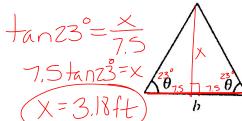
Classify each angle as an angle of elevation or an angle of depression.



EX 1: The Seattle Space Needle casts a 67-meter shadow. If the angle of elevation from the tip of the shadow to the top of the Space Needle is 70°, how tall is the Space Needle? Round to the nearest meter.



Ex 2: Find the altitude of an isosceles triangle given the distance between the 2 congruent angles (b) is 15 feet with an angle of elevation 23°



Ex3: The pilot of a traffic helicopter sights an accident at an angle of depression of 18°. The helicopter's altitude is 1560 ft. What is the horizontal distance from the helicopter to the accident?

18: Short

$$Co + 18^{\circ} = \frac{x}{1560}$$
 $x = \frac{1560}{4an18^{\circ}}$

