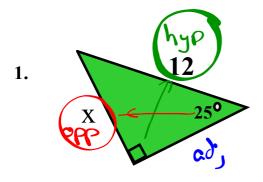
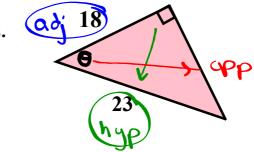
Warm Up Questions



$$\int S.1 = x$$



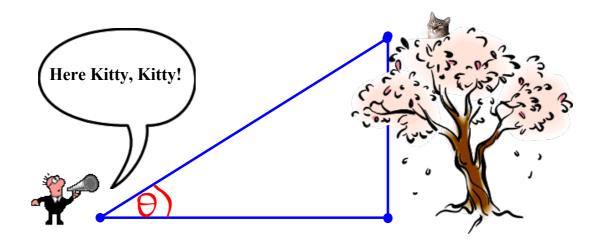
$$\cos \theta = \frac{\alpha}{h}$$

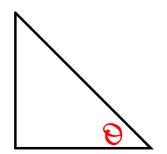
$$\frac{81}{56} = 920$$

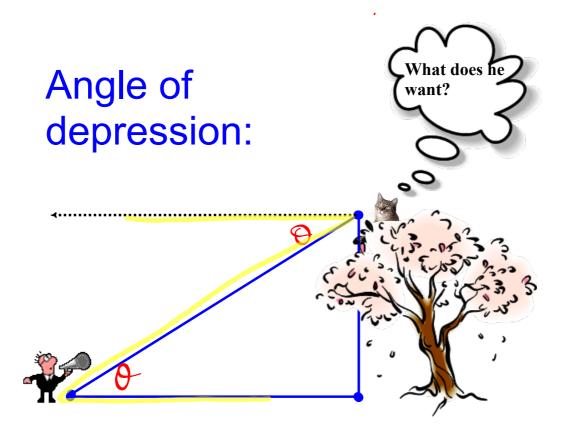
$$\sin \theta = \frac{0}{h}$$
 $\cos \theta = \frac{a}{h}$ $\tan \theta = \frac{0}{a}$

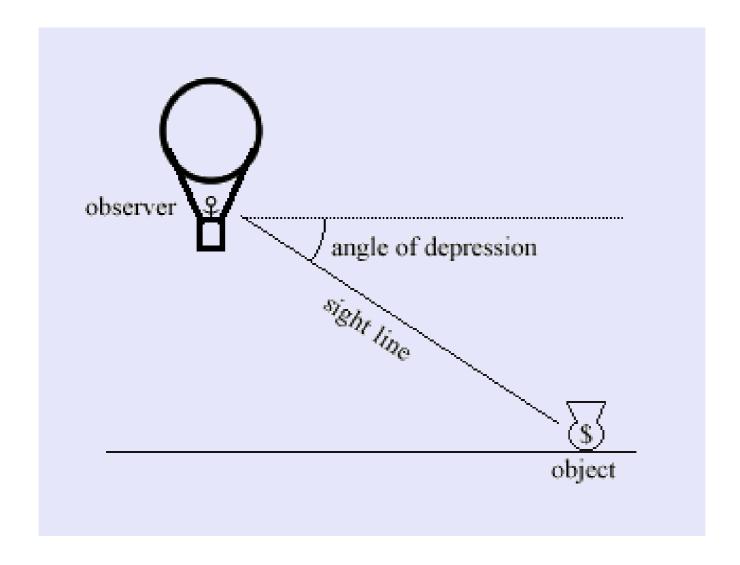


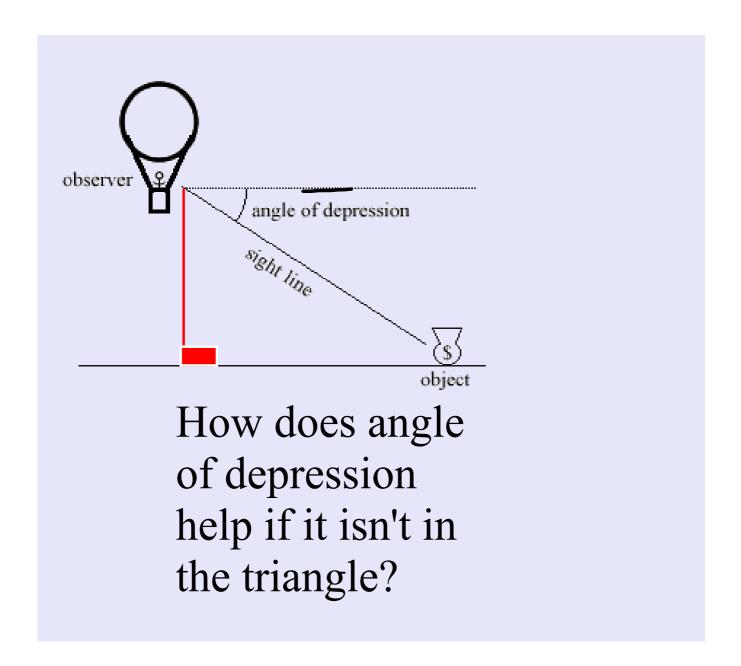
Angle of elevation:

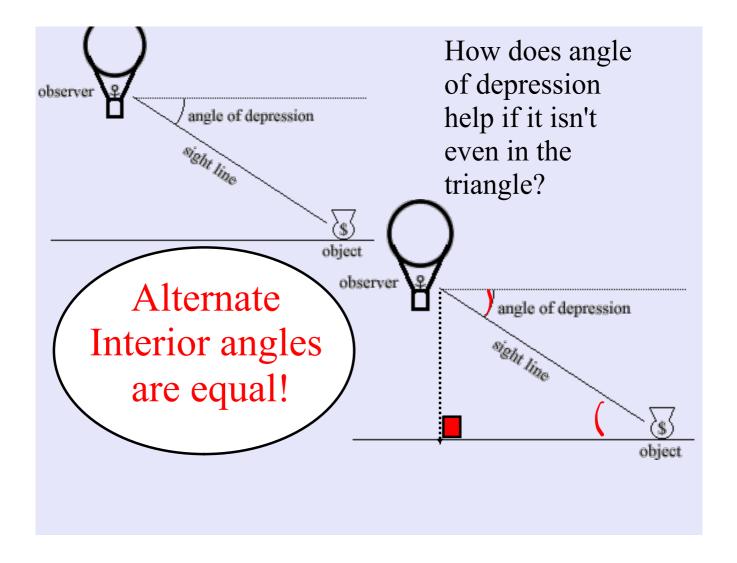




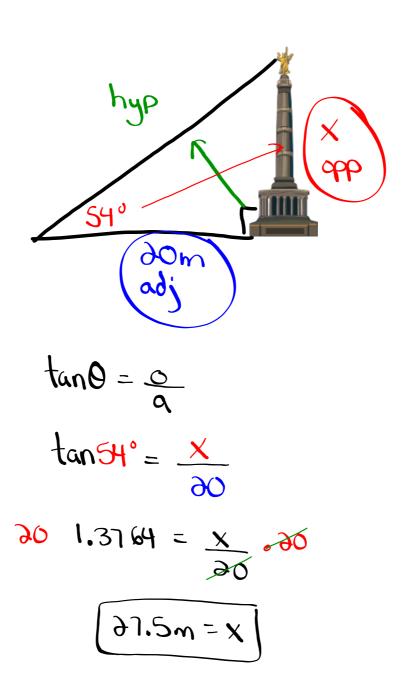




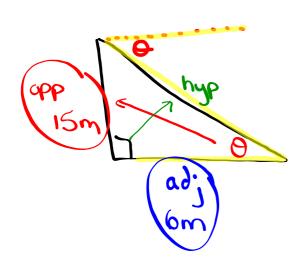




The angle of elevation to the top of a tower is 54 degrees. If the person is 20m away from the tower, how tall is the tower?



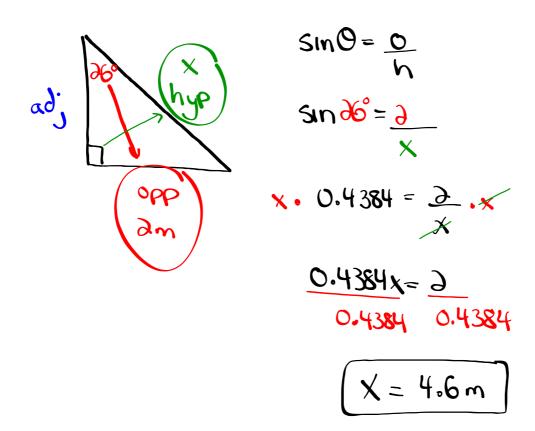
Calculate the angle of depression from the top of a building to a puppy on the ground, if the building is 15m tall and the puppy is 6m from the building.



tan0 =
$$\frac{0}{a}$$

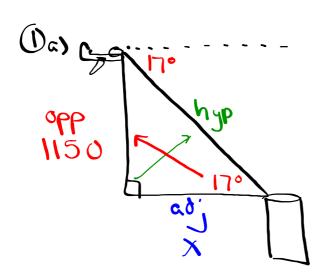
tan0 = $\frac{15}{6}$
tan0 = $\frac{3.5}{6}$
 $0 = 68^{\circ}$

A ladder leans against a building and makes an angle of 26 degrees with the wall. If the base of the ladder is 2 m from the wall, how long is the ladder?



Homework

Finish worksheet



a)
$$tan0 = 0$$

$$tan17° = 1150$$
x