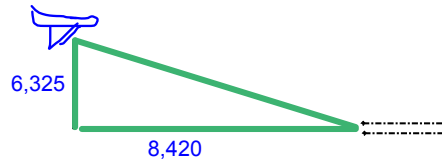
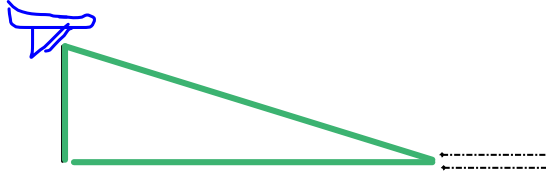
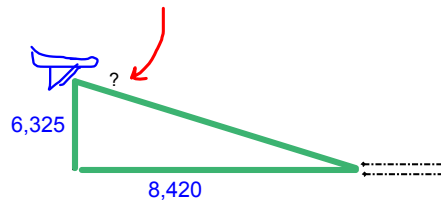


A plane is traveling at an altitude of 6,325 feet. The airport is 8,420 feet away. What is the angle of depression the pilot should take to hit the runway at the exact time the plane gets there?

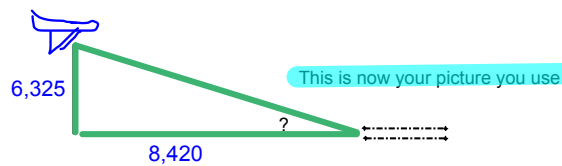
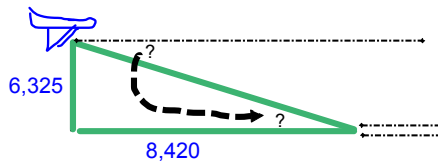


What is the angle of depression the pilot should take to hit the runway at the exact time the plane gets there?

Angle of depression always goes on top and outside



insert parallel line and use alternate interior angles to put inside



$$\text{TAN}^{-1}(6325 \div 8420) = 37$$

