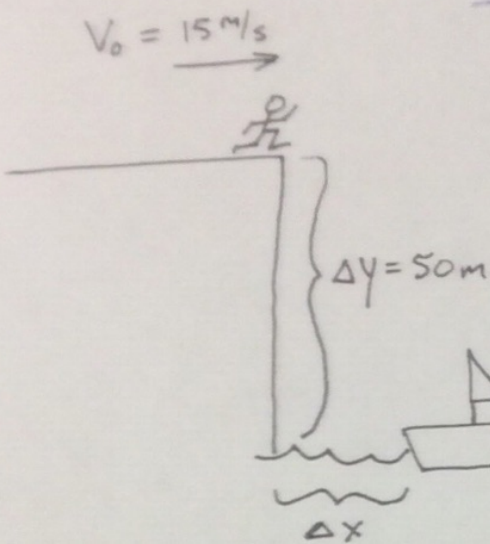


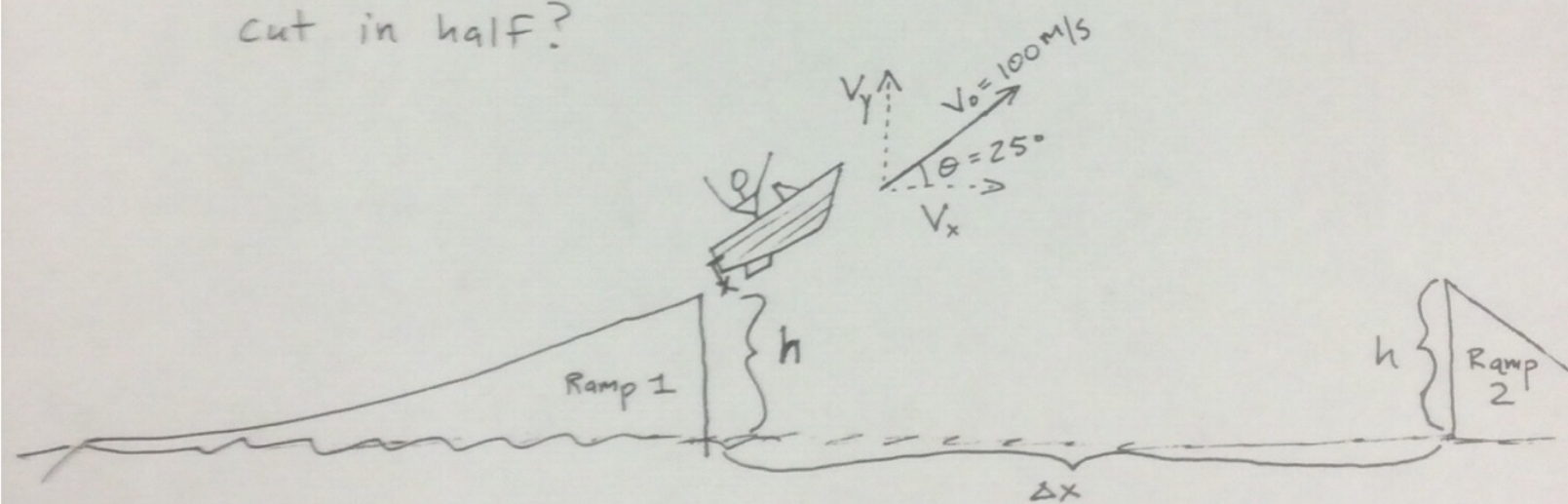
Boats



1) What is the maximum Δx in order for the man to land in the boat?

2) How much time will the man spend in the air at the maximum Δx ?

3) How much time will the man spend in the air if Δx were cut in half?



4) Given that V_0 is 100 m/s at 25° of the motor boat above, if the boat is in the air for 6 seconds what is Δx ?

5) What would Δx need to be if Ramp 2 had a height twice that of Ramp 1. (Hint: your answer will not be a number)