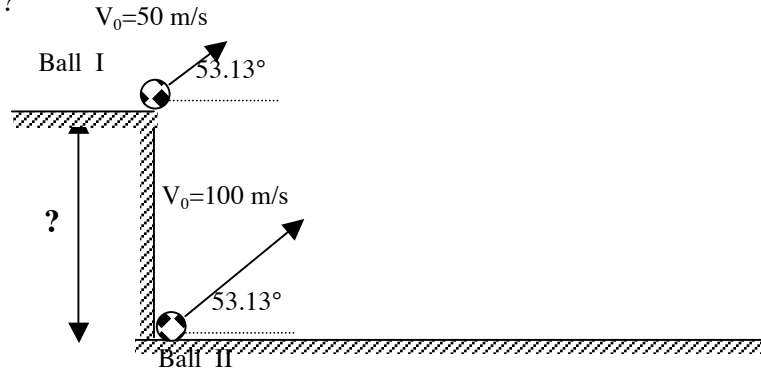


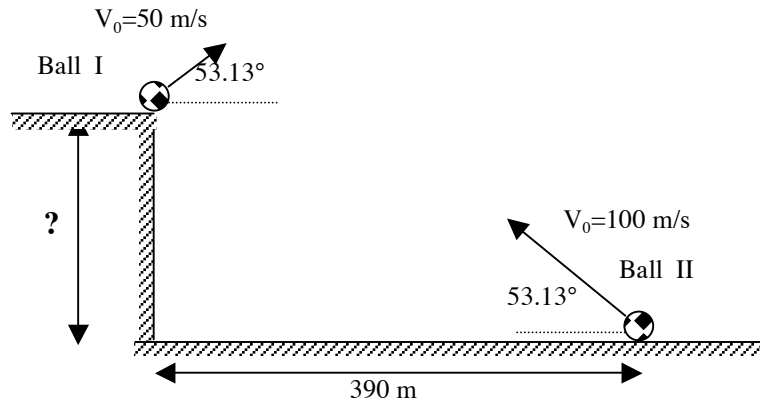
W2.08-H

PROJECTILES 4

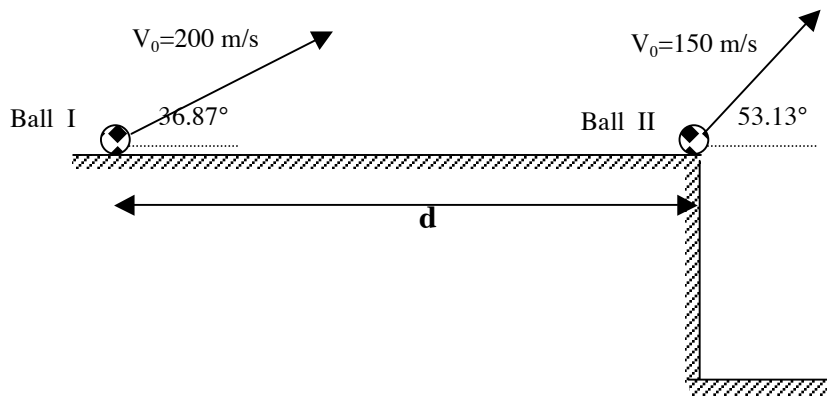
1] The two balls will collide in mid air if ball II is shot 3 seconds after ball I. What is the height of the cliff?



2] The two balls will collide in mid air if ball II is shot 5 seconds prior to ball I. What is the height of the cliff?



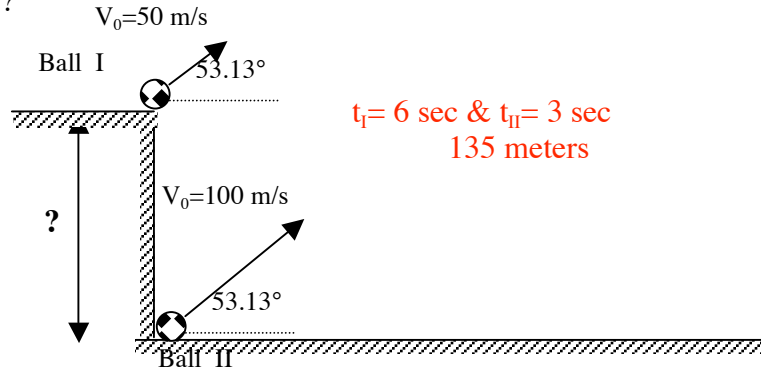
3] Both balls are shot at the same time. (a) If the balls collide when both are at their peaks, what is distance d ? (b) If both balls strike the ground at the same time, what is the maximum distance for d ?



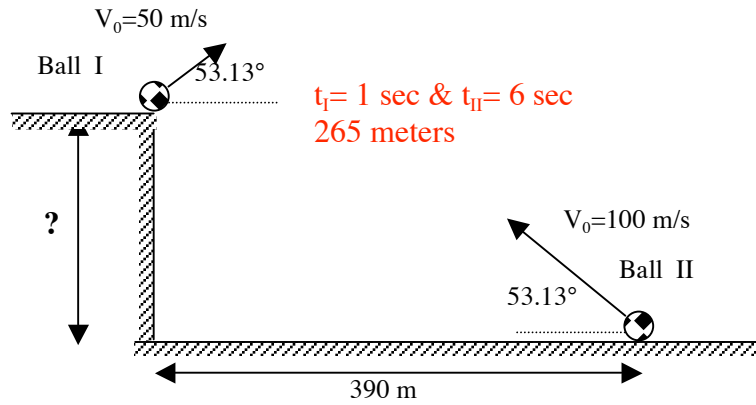
W2.08-H

PROJECTILES 4 - KEY

1] The two balls will collide in mid air if ball II is shot 3 seconds after ball I. What is the height of the cliff?



2] The two balls will collide in mid air if ball II is shot 5 seconds prior to ball I. What is the height of the cliff?



3] Both balls are shot at the same time. (a) If the balls collide when both are at their peaks, what is distance d ? (b) If both balls strike the ground at the same time, what is the maximum distance for d ?

