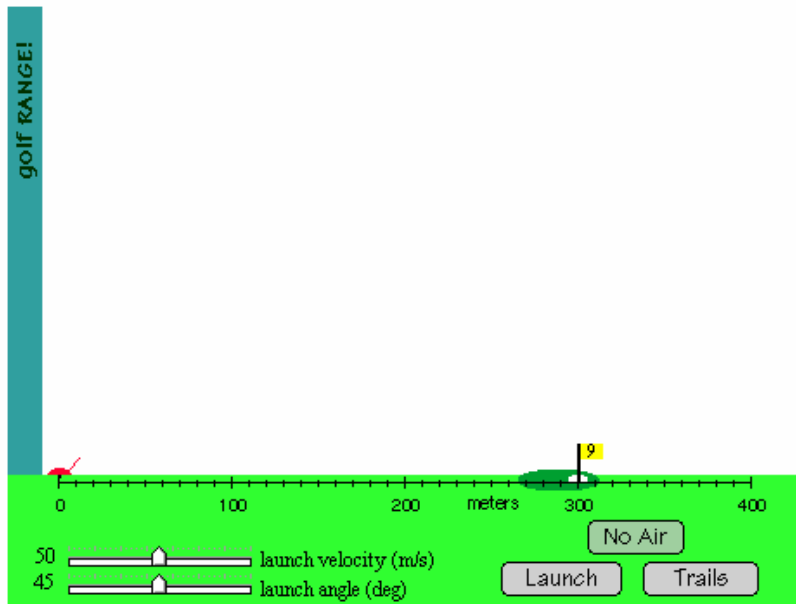
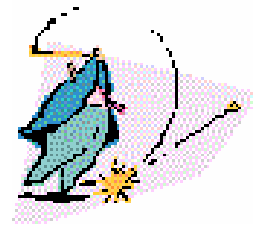


Name _____

Physics

Golfing with Physics



Click image for Website

1. If a golfer strikes a golfball and it leaves the club with a speed of 55 m/s at an angle of 36 degrees from the horizon. Find

Write Knowns and Unknowns

a) Horizontal and Vertical Components

b) Max height the ball achieves

c) Total time in air

d) If the hole is 290 m away, does he hit a hole in one?

2. If a golfer strikes a golfball and it leaves the club with a speed of 85 m/s at an angle of 15 degrees from the horizon. Find

Write Knowns and Unknowns

a) Horizontal and Vertical Components

b) Max height the ball achieves

c) Total time in air

d) If the hole is 360 m away, does he hit a hole in one?

3. A golfball is driven 190 m where it lands a hole in one. If the ball leaves the club at an angle of 39 degrees from the horizon and hangs in the air for 5.5 s, find;

a) The Horizontal and Vertical Velocity Components

b) The max height the ball reaches

c) The initial velocity that the ball leaves the club

