

Worksheet: Projectile Motion - v_i

NAME:

1. If a ball hits the floor 5.50 meters away from a table, 1.55 meters high, what was its velocity when it left the table?

x	y

2. A cliff diver strikes the water 12.3 meters from a cliff 25.9 meters high. At what horizontal speed did he leave the cliff?

x	y

3. A soccer ball is kicked horizontally off a 24.0-meter high hill and lands a distance of 36.0 meters from the edge of the hill. Determine the initial horizontal velocity of the soccer ball.

x	y