

216D – Thrown Tables

Horizontal thrown velocity = 6m/s

Acceleration of gravity = -10m/s^2

$$V = V_0 + gt$$

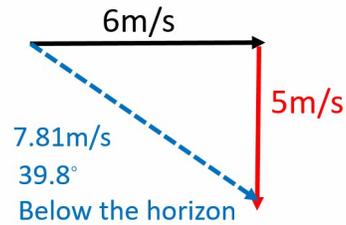
$$D = V_0 * t + \frac{1}{2} * g * t^2$$

sec	V_y	D_y	V_x	D_x
0				
1				
2				
3				
4				

Horizontal thrown velocity = 6m/s

Vertical downward velocity = -5m/s

Acceleration of gravity = -10m/s^2



Sec	V_y	D_y	V_x	D_x
0				
1				
2				
3				
4				

What time does the ball hit the ground ($D_y = 80\text{m}$ solve for t)? How far did it go horizontally?