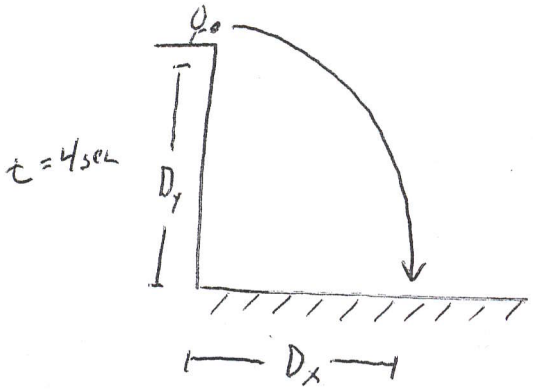
PROJECTILE TEST REVIEW

Horizontally Fired

General Characteristics -



Vertical

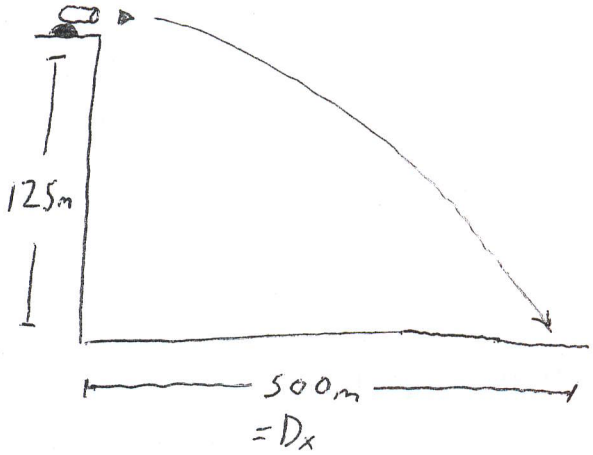
- Find Height D_y

- Find Forward distance D_x

Hor.

- Find V_{F_y}

One like this -



- Find Time in air

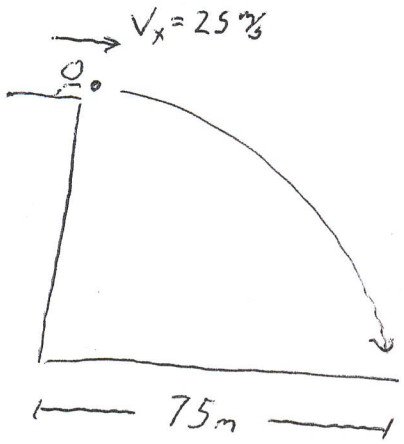
- Find Forward Velocity V_x

- Find V_{F_y}

Vert.

Hor.

One like this -



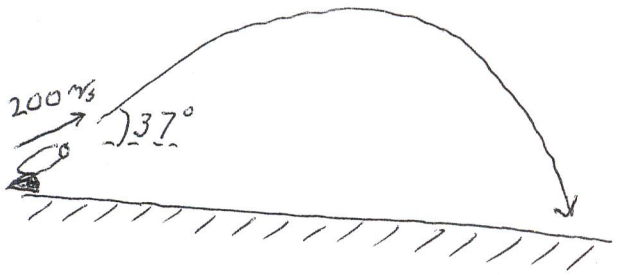
Vert.

Hor.

- Find Time in air
- Find Height
- Find V_{Fy}

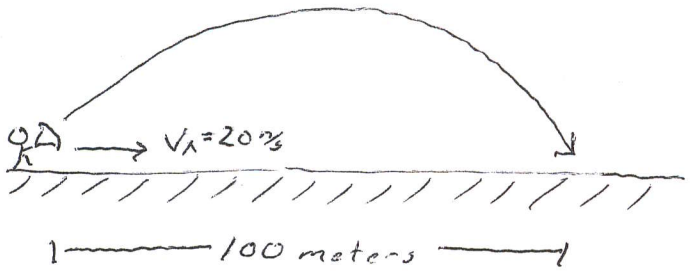
Projectiles fired at up angle -

General Characteristics -



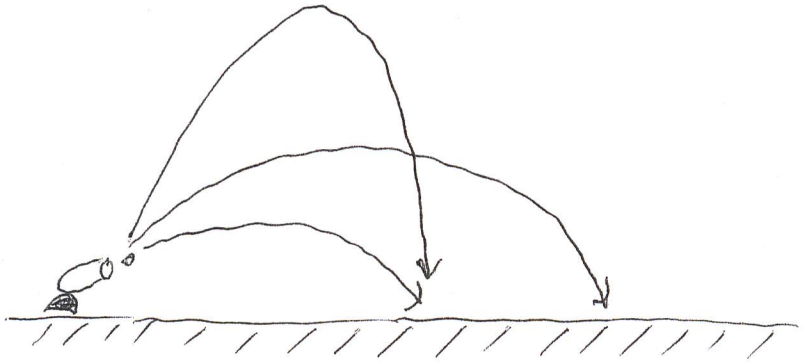
- Find V_x & V_y
- Find T_{rise} & T_{total}
- Find Max. Height D_y
- Find Forward distance D_x

Possibly One like this -



- What must be T_{rise} & T_{Total}
- What is V_{iy}
- What is Max. Height D_y

How does the angle effect, Forward distance, Time in Air, Max. Height



15°
30°
45°
60°
75°
90°