

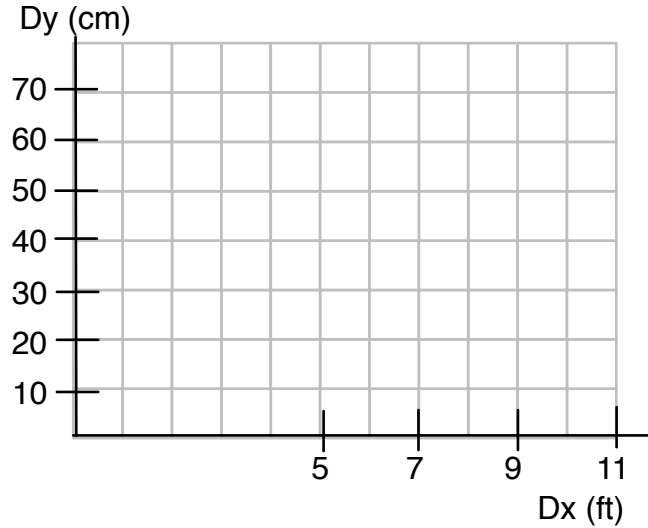
# Wk 22 Projectile Motion

name: \_\_\_\_\_

## 1. Horizontal Shot Activity

Put some chalk on your projectile. Aim at the line on the chalkboard. Record how far below the line your projectile hit.

Dx	Dy
5 ft	
7 ft	
9 ft	
11 ft	



What is happening to the distance the projectile falls (Dy) as you get farther and farther away (Dx increases)?

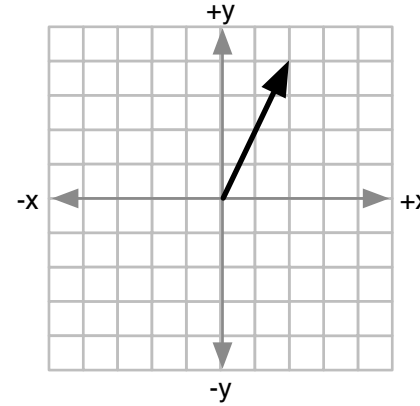
Why is that happening?

In order for the projectile to hit the target line, where do you have to aim?

# Wk 22 Projectile Motion

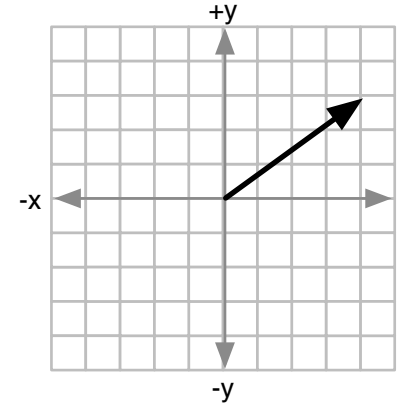
name: \_\_\_\_\_

## 2. Components



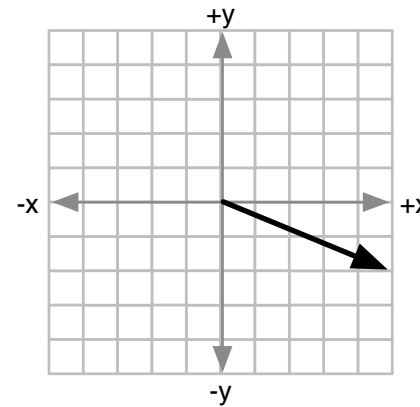
$V_x =$

$V_y =$



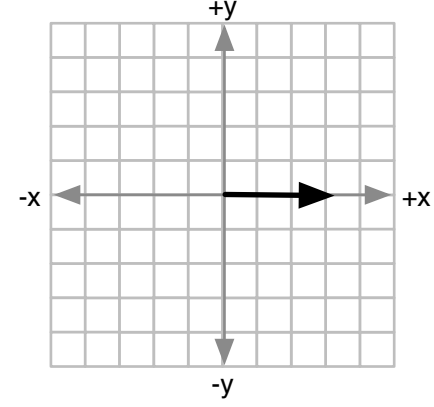
$V_x =$

$V_y =$



$V_x =$

$V_y =$



$V_x =$

$V_y =$