

Ballistic Shooter Lab

Objective: Study the relationship between Angle and Range.

Tools/Materials:

Ballistic Shooter w/projectile

Meter Stick

Procedure:

- 1) Attach ballistic shooter to table.
- 2) Starting at 5° launch projectile and measure distance from shooter.
 - a. Repeat at least two times to assure accuracy.
- 3) Increase elevation by 10° and repeat until the angle of elevation is 85° .

Sample Table

Angle of Elevation	Distance from Shooter 1	Distance from Shooter 2	Ave Dist from Shooter
5			
10			
15			
25			

Create a graph displaying distance v angle.