

Mr. Bosworth
General Physics
Projectile Worksheet #2

Name _____
Period _____

1. Chris throws a rock at 21.0 m/s into the air at 40.0° above the horizontal. How long is the rock in the air?

Answer _____

2. What is the maximum height for the rock in #1?

Answer _____

3. How far away did the rock in #1 land?

Answer _____

4. Nicole throws a ball at 25.0 m/s at an angle of 63.8° above the horizontal. What was the range of the ball?

Answer _____

5. Jason throws a ball at 25.0 m/s at an angle of 26.2° above the horizontal. What is the range of the ball?

Answer_____

6. An airplane flying at 450. km/hr and 3330 m above the ground, is to drop a bomb on a target. How far in front of the target will the plane have to release the bomb in order to hit it?

Answer_____

7. Alex throws a ball at 22.5 m/s at an angle of 34.8° below the horizontal from the top of a 40.0 m high building. How far from the base of the building does the ball hit?

Answer_____

8. What is the maximum range for a projectile fired with a velocity of 80.0 m/s?

Answer_____