

Mr. Bosworth
General Physics
Projectile Worksheet #1

Name _____
Period _____

1. Tom throws a rock horizontally off of a 40.0 m high cliff. How fast did he throw the rock if it hits the ground 45.0 m from the base of the cliff?

Answer _____

2. Erica throws a ball out of a window with a horizontal speed of 3.80 m/s. If the ball hit the ground 15.0 m away, how high up is the window?

Answer _____

3. Kelly shoots a rock in a sling shot horizontally at 12.5 m/s from the top of a 30.0 m high building. How far from the base of the building does the rock hit?

Answer _____

4. Thelma drives her car off a cliff 60.0 m high. It hits the ground 125 m out horizontally from the bottom of the cliff. How fast was she driving?

Answer_____

5. Elaine shoots a bullet straight up in the air from a gun. It reaches a height of 1940 m. How fast was the bullet fired?

Answer_____

6. How long is the bullet in #5 in the air before it hits the ground again?

Answer_____

7. If Elaine had shot the bullet from #5 horizontally from a height of 2.50 m, how far would the bullet have gone before hitting the ground?

Answer_____