5. Solve: Angle of entry (trajectory) = 15˚ and the distance to the building is 312 feet. Height of the shooter above the horizon = _________________

6. Solve: Angle of entry (trajectory) = 60˚ and the distance to the building is 155 feet. Height of the shooter above the horizon = _________________

7. Solve: A bullet hole left behind at a crime scene measures 3 mm by 5.5 mm. Distance to nearest building is 120 ft.
   Angle of entry (trajectory) = _________________
   Height of the shooter above the horizon = _________________

8. A zombie was shot about to take a chunk out of your arm while you were walking down a deserted street. There was a muzzle flash from a nearby building, but you were unsure from which floor it came from. You want to find the shooter and thank them for saving your life. The building is 65 ft away and the angle of trajectory is 55˚. Determine what floor the shooter was on. Assume that each floor is 10 ft.

9. A man was shot in the leg while he was in his apartment. His apartment is 100 ft from the ground and bullet was found to be 2ft above his foot. A witness claimed the shooter was on the ground, 84 ft away, and held the gun at an elevation angle of approx. 49 degrees. A suspect was brought in and his shooting arm was measured to be exactly 5.5 ft above the ground at that angle. Is he the shooter?