Name:_____

A tennis ball rolls off the edge of the roof of a building and falls 122 m to the ground. If the ball hits the ground 12.5 m from the point where it left the roof, how fast was it going when it fell off the edge?

A. 0.502 m/s

B. 2.51 m/s

C. 3.54 m/s

D. 76.3 m/s

An arrow is shot at an angle of 18.0° toward a vertical wall that is 33.0 m away. The arrow leaves the bow at a speed of 46.0 m/s. The max height the arrow achieves is _____

A. 9.15

B. 7.90

C. 10.3

D. 3.29