

3.6 Review Questions

1. Which will hit the ground first when dropped from the same height, a 10 Kg cannonball or a 0.35 Kg tennis ball?
2. A ball is thrown up into the air. It takes 15 seconds to land on the ground again. How high did the ball go?
3. How long would it take a rock to fall from a height of 25 meters?
4. How fast would the rock in question #3 be going the moment it hit the ground?
5. An arrow is fired straight up into the air. It hits the ground 7 s later. (assume the arrow is in Free Fall)
 - A) How fast was the arrow moving when it was launched?
 - B) How high did it go?