

Name _____

Freefall Questions

1. A hail stone falls from a cloud and strikes a car 11 seconds later. How fast is the stone traveling as it dents the roof?
2. A high diver dives off a platform and strikes the water 2.857 seconds later. How high is the diving platform?
3. A careless roofer drops his hammer off a roof that is 7.75m high. How much warning can he give anyone below?
4. ~~Wyl-E-Coyote has missed the Road-Runner again and has fallen through a hole in the edge of a cliff. It takes him 4 seconds to strike the ground and go SPLAT. How high is the cliff?~~
5. A high diver dives off a platform and strikes the water 2.857 seconds later. How fast is he traveling as he strikes the water?
6. A plane is flying at 9000 meters when one bolt works its way loose and falls to the ground. How long do you have to avoid being hit by it?