



3. A baseball is hit with an initial upward velocity of 45.6 feet per second at an initial height of 1.5 feet. When will the baseball hit the ground?
4. A football is punted with an initial upward velocity of 28.5 meters per second at an initial height of 1 meter. When will the football hit the ground?
5. A person is on a ledge of a 150 m cliff. He or she throws a rock **up** into the air at a rate of 15.4 meters per second. When will it hit the ground?

6. The same person on the same 150 meter cliff then throws a rock **down** at a speed of 18.4 meters per second. When will that rock hit the ground?
7. The same person on the same 150 meter cliff then **drops** a third rock. When will that rock hit the ground?
8. A ball is thrown up into the air with a rate of 42.8 feet per second with an initial height of 6 feet. When will it be 28 feet above the ground?