



- 5) A golf ball is hit from the ground upward with an initial velocity of 82 ft/sec. There are a group of 10 foot trees in the ball's path. Will the ball be able to go over the trees? If so, how long does it take for the ball to hit the ground?
- 6) A toy rocket is launched vertically upward from ground level with an initial velocity of 128 feet per second. How long will it take for the rocket to return to the ground? For how many seconds will the rocket be at least 112 feet above the ground? How long will it take the rocket to hit its maximum height? What is the maximum height?