Kinematics Challenge Question

Directions: Solve the following problems using the GUESS method. Show all work clearly.

1. A rocket is launched with an initial velocity of 22.1 meters per second upward from a platform 15.5 meters high. It lands on the ground below the platform.

   a. Determine the flight time of the rocket.

   b. Determine the maximum height attained by the rocket.

Answers in size order: 5.12, 40.4