**Problem:** A ball is thrown straight up into the air at an initial speed of 10 m/s.

a) (1 point) What is the velocity of the ball at its maximum height?

b) (1 point) How much time does it take the ball to reach its maximum height?

c) (1 point) What is the ball’s acceleration at its maximum height?

d) (2 points) What time(s) does the ball pass a point 5 m above where it was thrown?