Math 222		
Vertical and Horizontal Motion	on	Name:
Show all relevant work!		work!
1. What is the minimum initial velocity needed to propel a rocket to an altitude of 500 feet?		
2. A bullet is shot straight u	up and returns to the ground 34 second	ls later. What was the initial velocity of the bullet?

3. A ball is thrown straight up from a height of 2 meters and returns to the ground after three seconds.

What was its initial velocity?