Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_

Physics 1d quiz

Problems

1.What speed must you toss a ball straight up so that it takes 4s to return to you?

2. You toss a ball at 5 m/s straight upward. How much time will the ball take to reach the top of its path?

3. What is the hang time of a person who can jump a vertical distance of 0.6m?

4. What vertical distance can a person with a 0.7s hang time jump?

5. A crate falls from an airplane flying horizontally at an altitude of 1250m. Neglecting air drag, how long will the crate take to strike the ground?

6. If a projectile fired underwater, straight up, breaks the surface at a speed of 13 m/s, to what height above the Water will it ascend?