

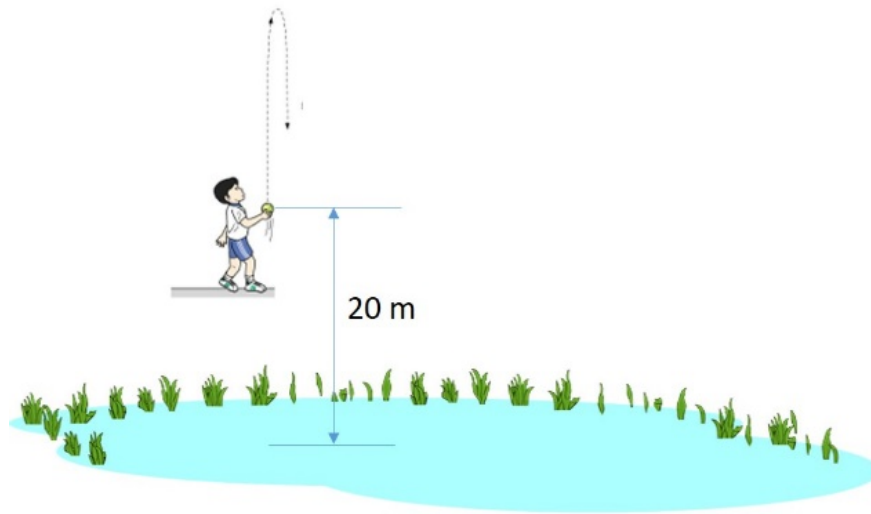
Student Name: _____

Date: _____

Period #: _____

Unit 1: Quiz 17
1-Dimensional Motion

1. A student from Mr. Hurrell's Honors Physics class stands at the top of a bridge above a lake and tosses a ball directly upward with an initial speed of 5 m/s. How long will it take the ball to hit the water if the initial height of the ball is 20 m?



2. The Marines called Jade in to test fly their new F-35. As she was flying along at 97m/s , she decided to kick in the afterburners for 5 s . If the afterburners generate enough thrust to accelerate the F-35 at 25 m/s^2 , how far did she travel during that time?

