

projectile motion worksheets with pdf

PROJECTILE MOTION WORKSHEET 1. A ball is kicked horizontally at 8.0 m/s from a cliff 80m high. How far from the base of the cliff will the stone strike the ground? 2. How long will it take a shell fired from a cliff at an initial velocity of 800 m/s at an angle 30° below the horizontal to reach the ground 150m below? 3.

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Projectile Motion Worksheet 1. Rank the vectors from largest to smallest vertical (y) component: 10 m/s @ 25° , 10 m/s @ 40° , 10 m/s @ 55° , 10 m/s @ 70° . 2. Why does a bowling ball move without acceleration when it rolls along a bowling alley? 3.

Projectile Motion Worksheet - Annville-Cleona School District

Worksheet by Kuta Software LLC Kuta Software - Infinite Precalculus Ideal Projectile Motion Name _____ Date _____ Period _____ 1) A soccer ball is kicked across a field at an angle of 30° with an initial speed of 16 m/s. Write a set of parametric equations for the motion of the soccer ball.

Ideal Projectile Motion - Kuta Software LLC

Projectile Motion. Showing top 8 worksheets in the category - Projectile Motion. Some of the worksheets displayed are , Projectile motion work, Show your, Physics 12 projectile motion work 2, Ideal projectile motion, Projectile motion review work, Read from lesson 2 vectors and motion in two dimensions, Projectile motion and quadratic functions.

Projectile Motion Worksheets - Printable Worksheets

General Trajectory “ We can use the component displacement and velocity equations to describe the motion of an object at any point along its path of motion. Example “ An archer shoots an arrow at a trajectory (launch angle) of 25° with an initial velocity of 95 m/s.

Two-Dimensional Motion Worksheet

Projectile Motion Worksheet Projectile Motion Worksheet 1) A baseball player leads off the game and hits a long home run. The ball leaves the bat at an angle of 30.0° from the horizontal with a velocity of 40.0 m/s.

Projectile Motion Worksheet - [DOC Document]

for 1-D vertical projectile motion from the Khan Academy. The height a projectile reaches is calculated from information about the time of the projectile’s motion. There are two other relevant videos (“Deriving Max Projectile Displacement Given Time” and “Impact Velocity From Given Height”) which can also be accessed from this link.

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