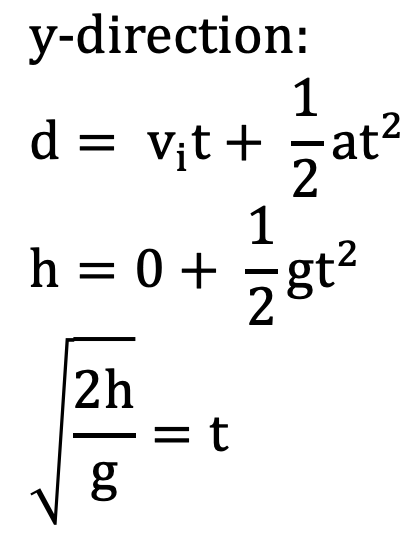
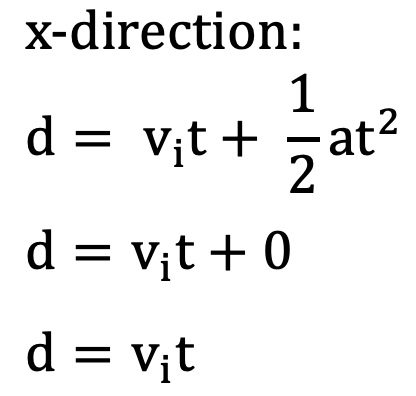
**Horizontal Projectile Motion Intro Worksheet Answer Key**



1. A black background with red text

   Description automatically generatedA ball is dropped from 4 meters high. How long does it take for the ball to reach the ground?

A black background with red text

Description automatically generated

A black rectangular sign with red text

Description automatically generated

1. A ball is launched horizontally at 2 m/s from 2 meters high. How long does it take for the ball to reach the ground?A black background with red text

   Description automatically generatedA black background with red text

   Description automatically generated

Ignore horizontal velocity.

Initial velocity in the y-direction is zero.A black rectangular sign with red text

Description automatically generated

1. A ball is launched horizontally at 2 m/s from 2 meters high. How far away does the ball hit the ground?A black background with red text

   Description automatically generated

Y-direction is the same as the previous problem.

The time it takes to hit the ground is 0.64 s.A red numbers on a black background

Description automatically generated