

## Worksheet: Projectile Motion - y

NAME:

1. Calculate the height of the table if a ball rolling at 5.68 m/s hits the floor a distance of 4.56 meters away.

x	y

2. How high must a table be if a ball moving at 3.60 m/s hits 2.39 meters away from the table?

x	y

3. A car leaves a cliff at 55 mph and strikes the flat ground below 20.0 m from the cliff. How high is the cliff and what was its final vertical velocity when it struck the ground?

x	y

# Worksheet: Projectile Motion - y

NAME:

1. Calculate the height of the table if a ball rolling at 3.68 m/s hits the floor a distance of 4.56 meters away.

x	y

2. How high must a table be if a ball moving at 1.60 m/s hits 2.39 meters away from the table?

x	y

3. A car leaves a cliff at 50.0 mph and strikes the flat ground below 20.0 m from the cliff. How high is the cliff and what was its final vertical velocity when it struck the ground?

x	y

## Worksheet: Projectile Motion - y

NAME:

1. Calculate the height of the table if a ball rolling at 2.68 m/s hits the floor a distance of 1.76 meters away.

x	y

2. How high must a table be if a ball moving at 1.80 m/s hits 2.30 meters away from the table?

x	y

3. A car leaves a cliff at 50.0 mph and strikes the flat ground below 25.0 m from the cliff. How high is the cliff and what was its final vertical velocity when it struck the ground?

x	y

## Worksheet: Projectile Motion - y

NAME:

1. Calculate the height of the table if a ball rolling at 6.68 m/s hits the floor a distance of 3.56 meters away.

x	y

2. How high must a table be if a ball moving at 7.60 m/s hits 3.39 meters away from the table?

x	y

3. A car leaves a cliff at 45.0 mph and strikes the flat ground below 26.0 m from the cliff. How high is the cliff and what was its final vertical velocity when it struck the ground?

x	y

# Worksheet: Projectile Motion - y

NAME:

1. Calculate the height of the table if a ball rolling at 2.88 m/s hits the floor a distance of 2.56 meters away.

x	y

2. How high must a table be if a ball moving at 2.60 m/s hits 3.45 meters away from the table?

x	y

3. A car leaves a cliff at 56.0 mph and strikes the flat ground below 17.8 m from the cliff. How high is the cliff and what was its final vertical velocity when it struck the ground?

x	y