

Worksheet: Projectile Motion - x

NAME:

1. A pool ball leaves a 0.75-meter high table with an initial horizontal velocity of 1.40 m/s. Predict the time required for the pool ball to fall to the ground and the horizontal distance between the table's edge and the ball's landing location.

x	y

2. A bullet has a speed of 430 m/s as it leaves a rifle. If it is fired horizontally from a cliff 8.40 m above a lake, how far does the bullet travel horizontally before striking the water?

x	y

3. A ball rolls off a level platform that is 2.46 m high at 1.89 m/s. How far away from the platform will it strike the floor?

x	y

Worksheet: Projectile Motion - x

NAME:

1. A pool ball leaves a 0.60-meter high table with an initial horizontal velocity of 2.40 m/s. Predict the time required for the pool ball to fall to the ground and the horizontal distance between the table's edge and the ball's landing location.

x	y

2. A bullet has a speed of 350 m/s as it leaves a rifle. If it is fired horizontally from a cliff 6.40 m above a lake, how far does the bullet travel horizontally before striking the water?

x	y

3. A ball rolls off a level platform that is 3.4 m high at 2.89 m/s. How far away from the platform will it strike the floor?

x	y

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1. A pool ball leaves a 0.65-meter high table with an initial horizontal velocity of 3.60 m/s. Predict the time required for the pool ball to fall to the ground and the horizontal distance between the table's edge and the ball's landing location.

x	y

2. A bullet has a speed of 230 m/s as it leaves a rifle. If it is fired horizontally from a cliff 4.40 m above a lake, how far does the bullet travel horizontally before striking the water?

x	y

3. A ball rolls off a level platform that is 1.46 m high at 2.59 m/s. How far away from the platform will it strike the floor?

x	y

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NAME:

1. A pool ball leaves a 0.55-meter high table with an initial horizontal velocity of 2.65 m/s. Predict the time required for the pool ball to fall to the ground and the horizontal distance between the table's edge and the ball's landing location.

x	y

2. A bullet has a speed of 530 m/s as it leaves a rifle. If it is fired horizontally from a cliff 3.48 m above a lake, how far does the bullet travel horizontally before striking the water?

x	y

3. A ball rolls off a level platform that is 2.36 m high at 1.85 m/s. How far away from the platform will it strike the floor?

x	y

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NAME:

1. A pool ball leaves a 0.65-meter high table with an initial horizontal velocity of 1.65 m/s. Predict the time required for the pool ball to fall to the ground and the horizontal distance between the table's edge and the ball's landing location.

x	y

2. A bullet has a speed of 440 m/s as it leaves a rifle. If it is fired horizontally from a cliff 8.48 m above a lake, how far does the bullet travel horizontally before striking the water?

x	y

3. A ball rolls off a level platform that is 1.39 m high at 1.95 m/s. How far away from the platform will it strike the floor?

x	y