

Name: _____ Date: _____ Period: _____

Pushing a box

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Time	Force	Acceleration	Velocity	Distance Traveled	Kinetic Energy	Momentum

Using the data in the table above, sketch a graph for each of the relationships (1st term on Y-axis and 2nd term on X-axis)

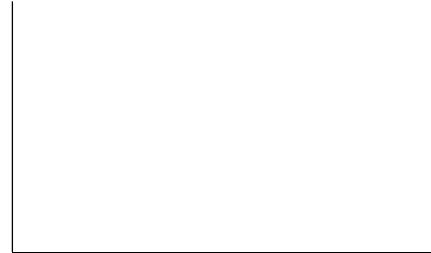
Force vs. Time



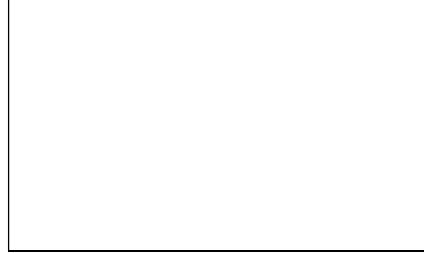
Acceleration vs. Time



Velocity vs. Time



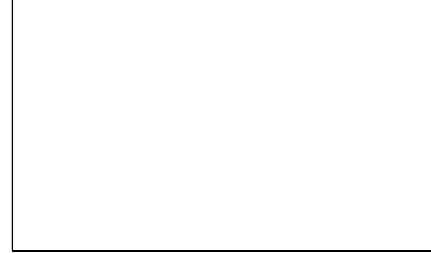
Distance vs. Time



Momentum vs. Time



Kinetic Energy vs. Time



Momentum vs. Velocity



Kinetic Energy vs. Velocity



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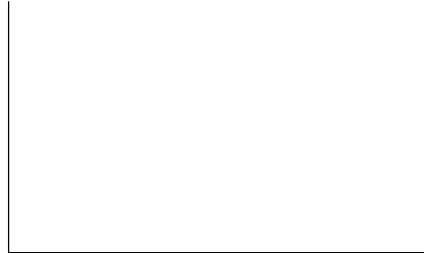
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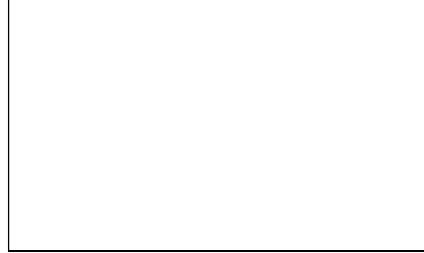
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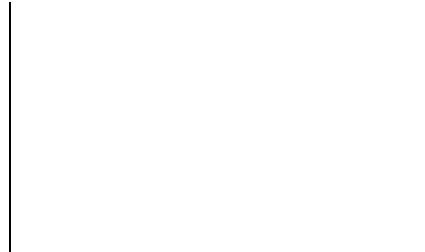
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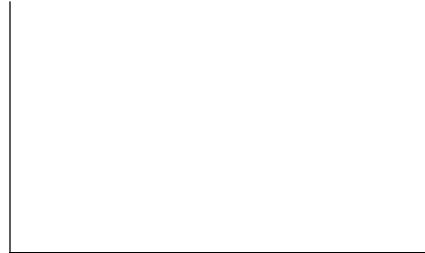
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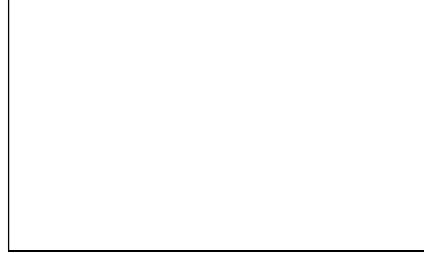
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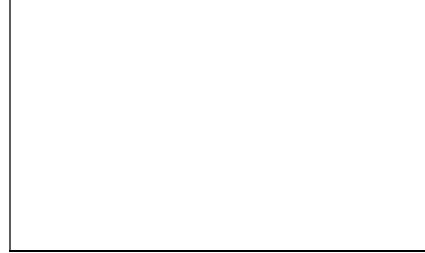
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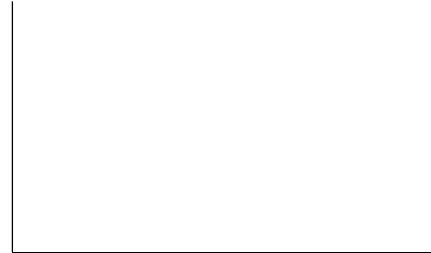
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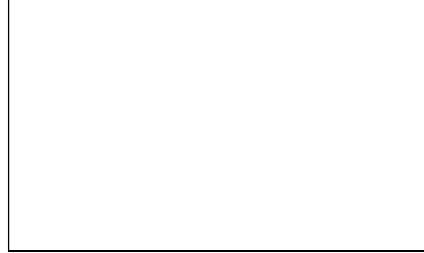
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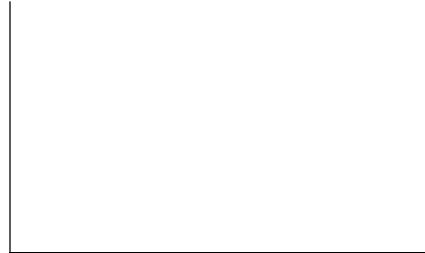
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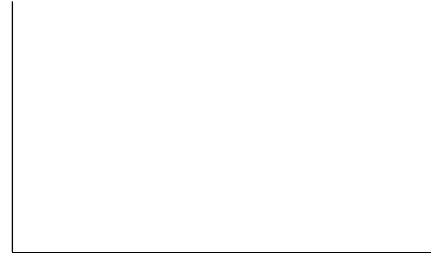
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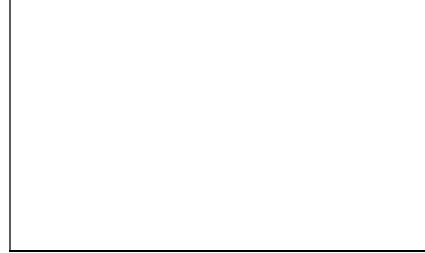
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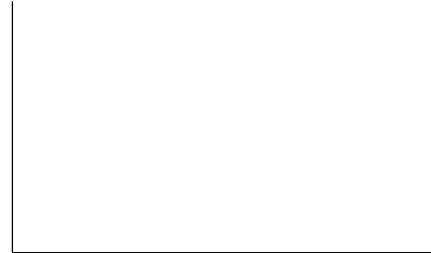
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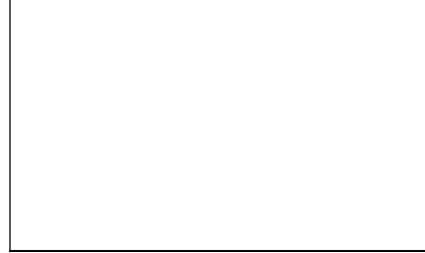
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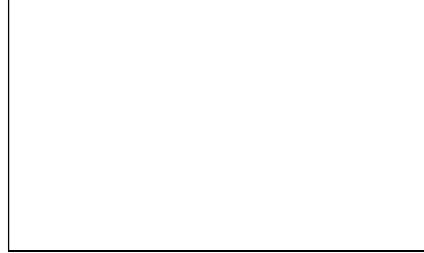
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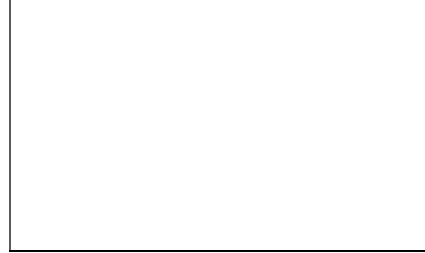
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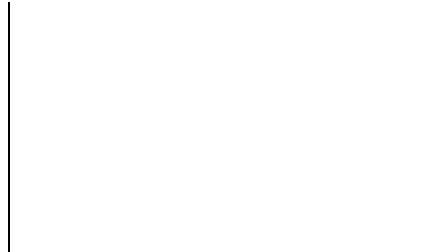
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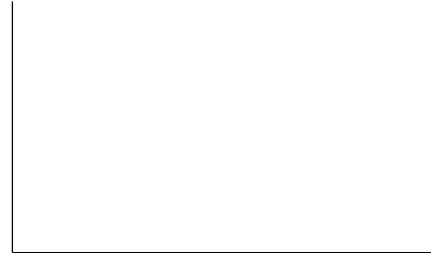
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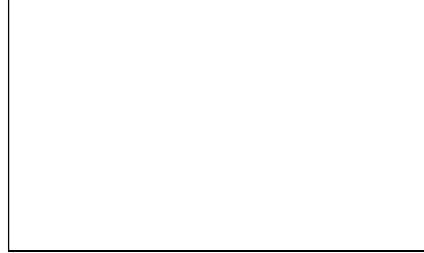
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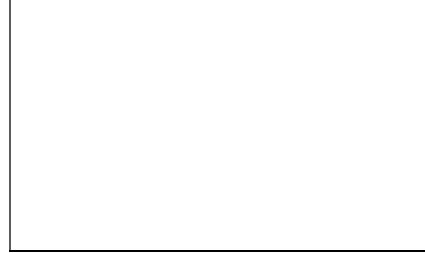
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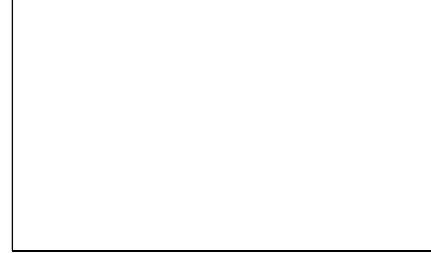
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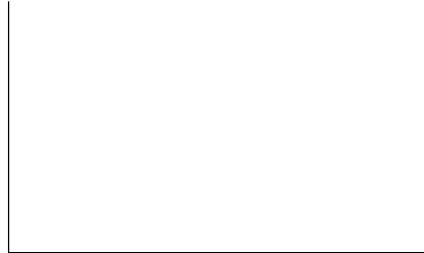
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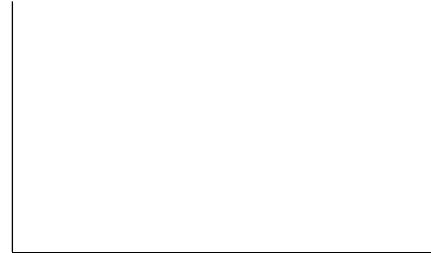
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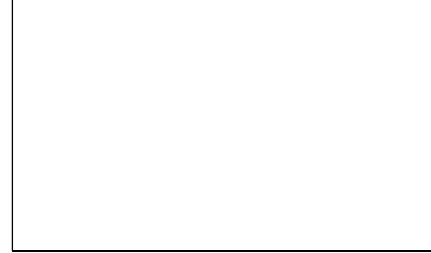
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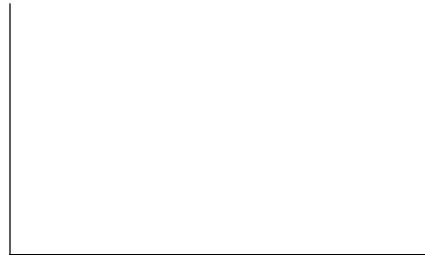
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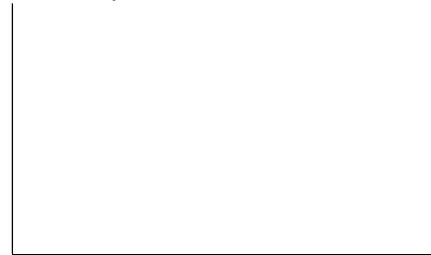
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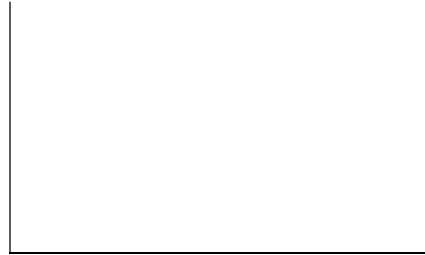
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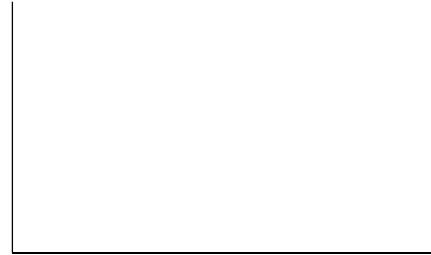
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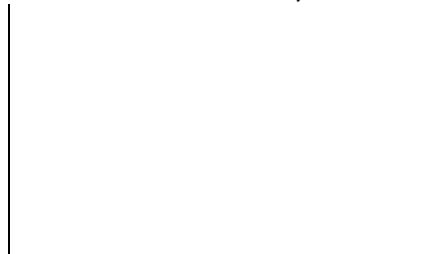
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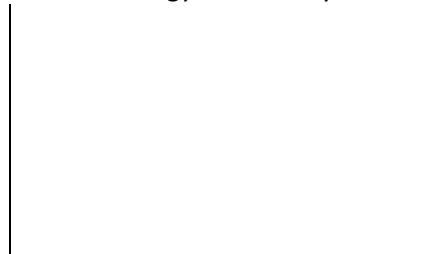
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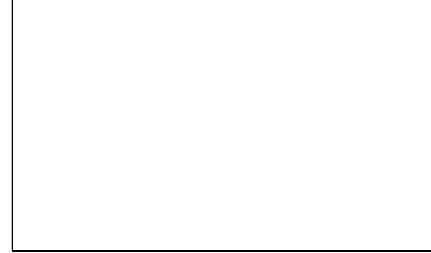
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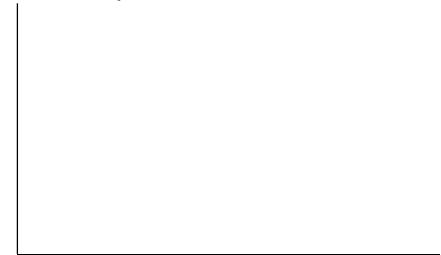
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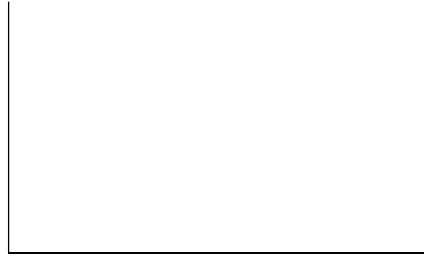
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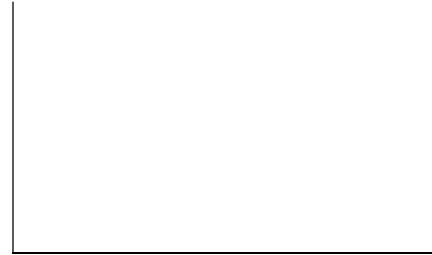
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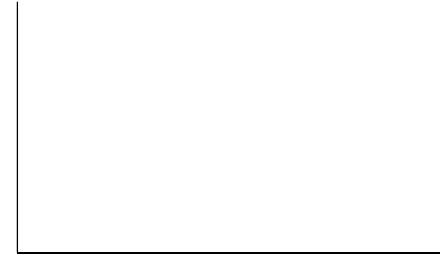
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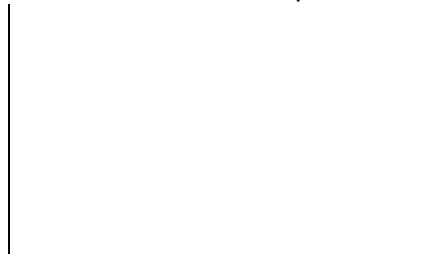
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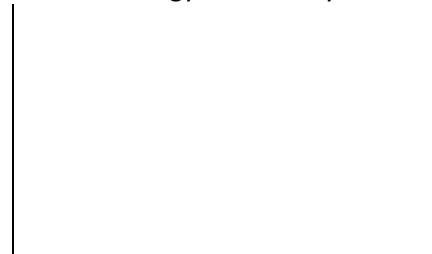
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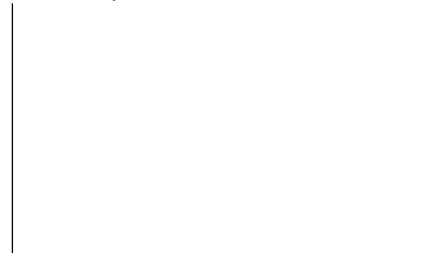
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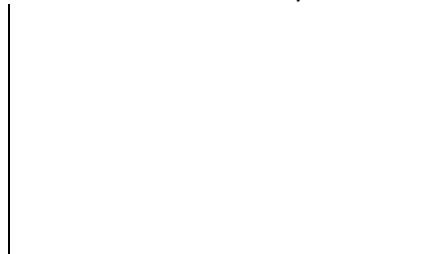
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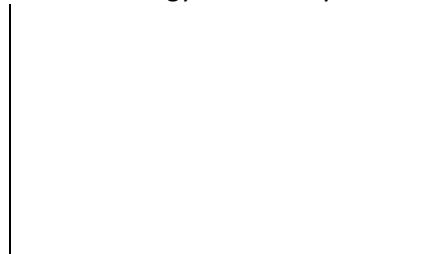
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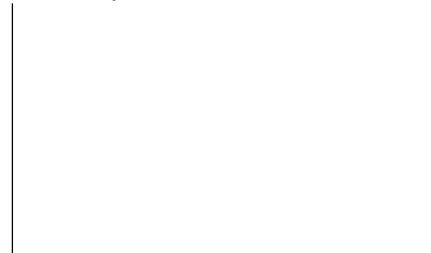
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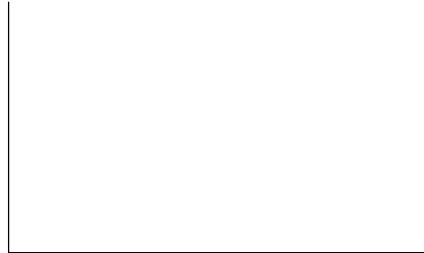
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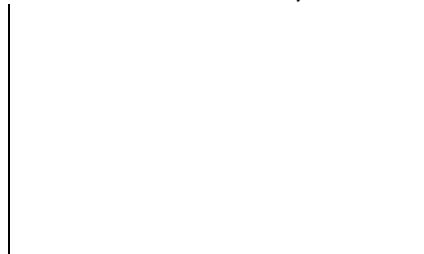
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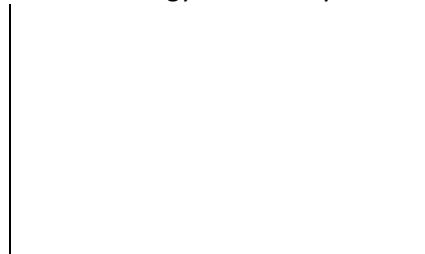
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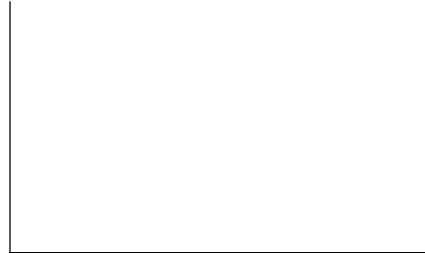
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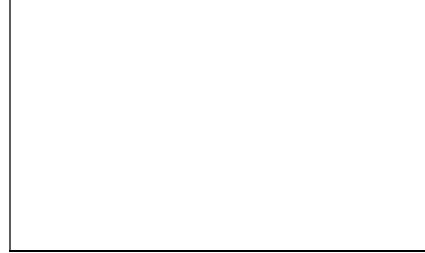
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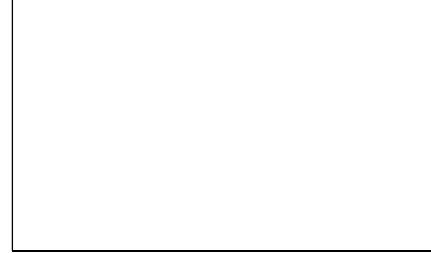
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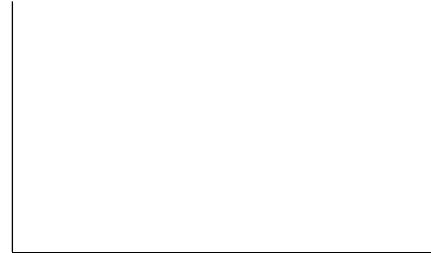
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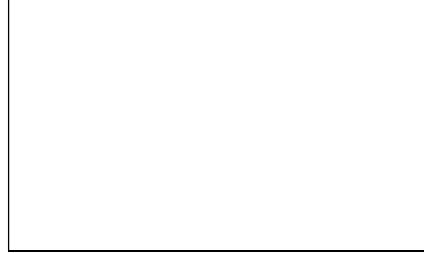
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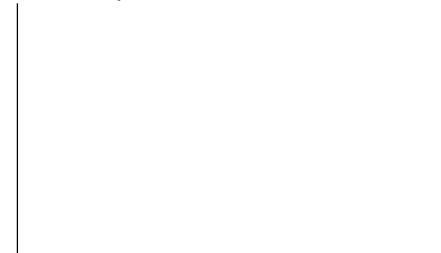
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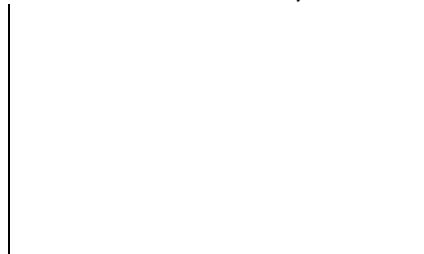
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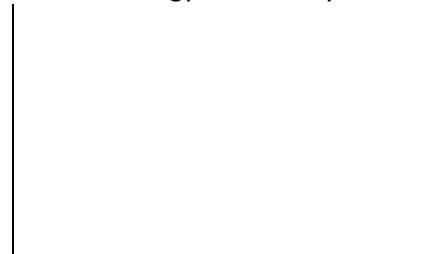
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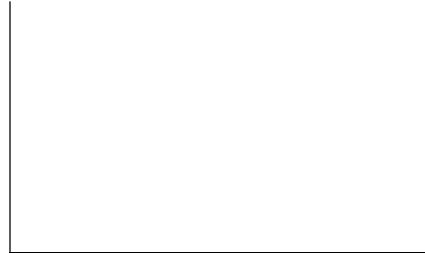
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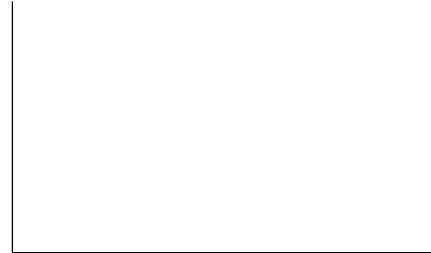
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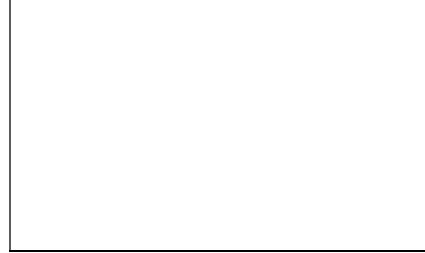
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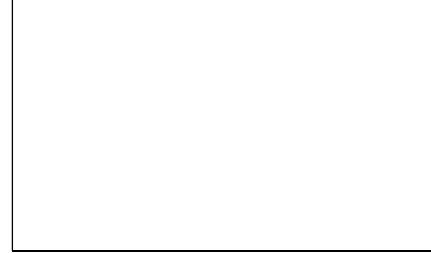
Distance vs. Time



Momentum vs. Time



Kinetic Energy vs. Time



Momentum vs. Velocity



Kinetic Energy vs. Velocity



Name: _____ Date: _____ Period: _____

Pushing a box

A 5 kg box is pushed with a force of 10 N across a frictionless surface. Please fill-in the table below.

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Using the data in the table above, sketch a graph for each of the relationships (1st term on Y-axis and 2nd term on X-axis)

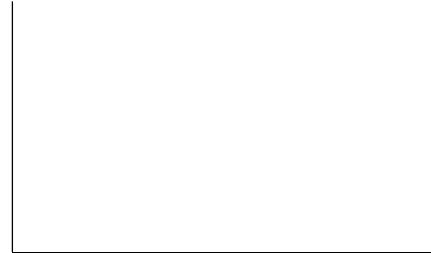
Force vs. Time



Acceleration vs. Time



Velocity vs. Time



Distance vs. Time



Momentum vs. Time



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Momentum vs. Velocity



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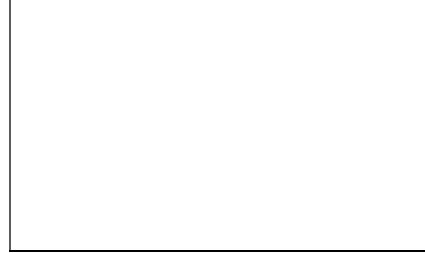
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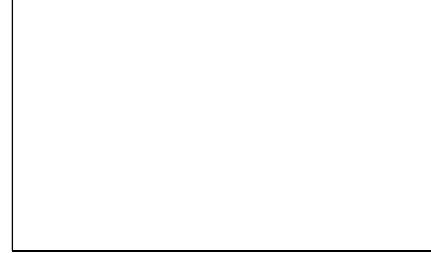
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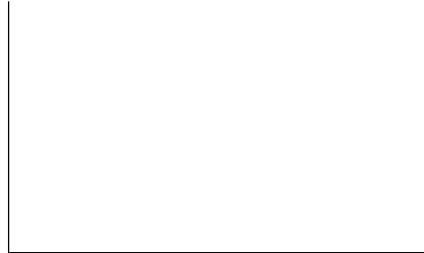
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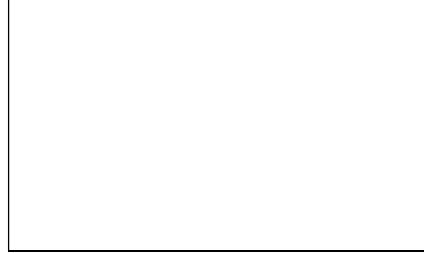
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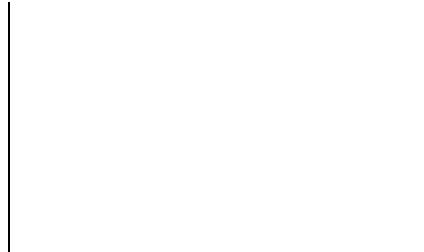
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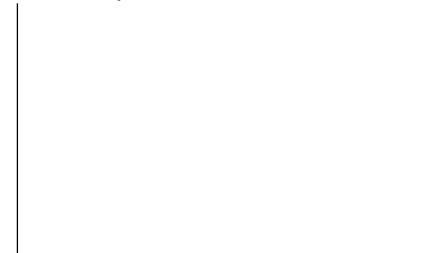
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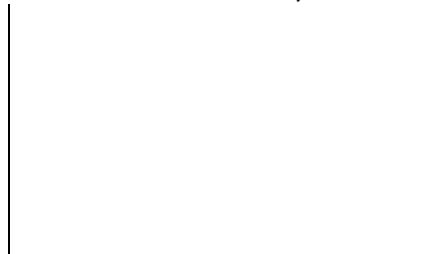
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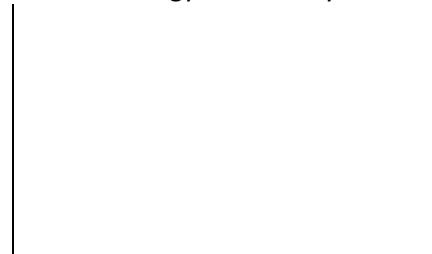
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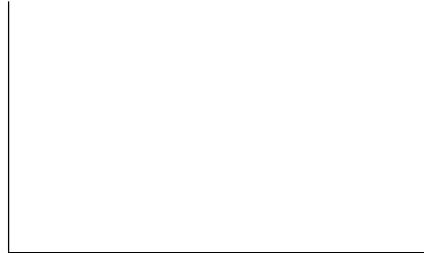
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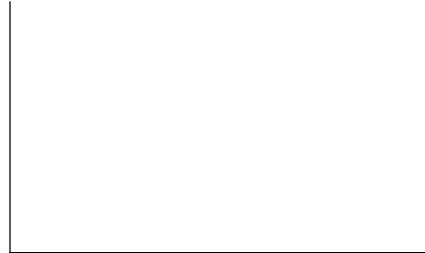
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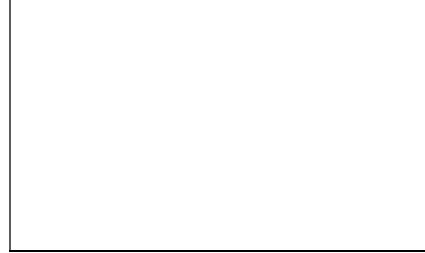
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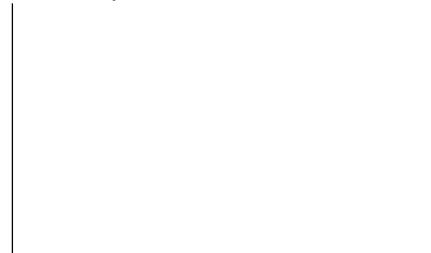
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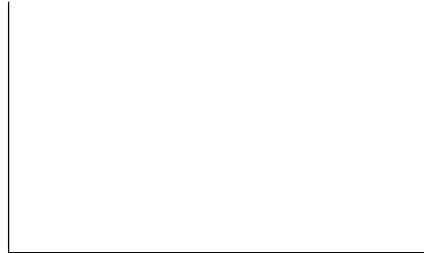
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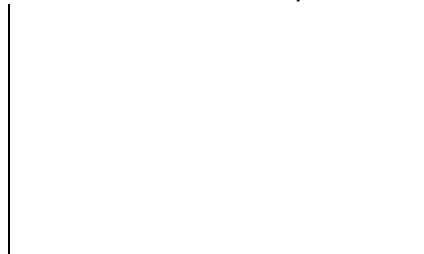
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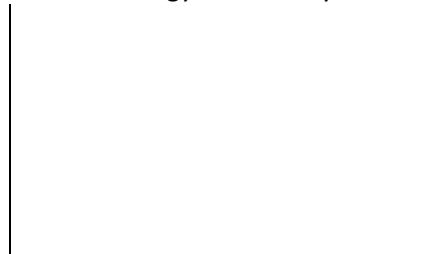
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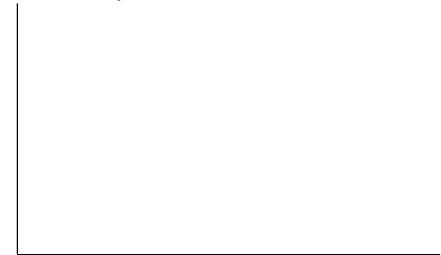
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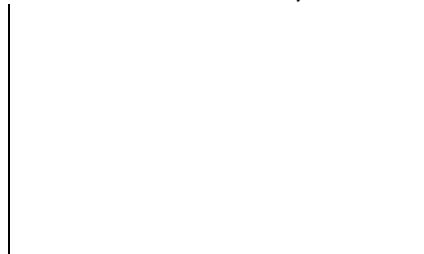
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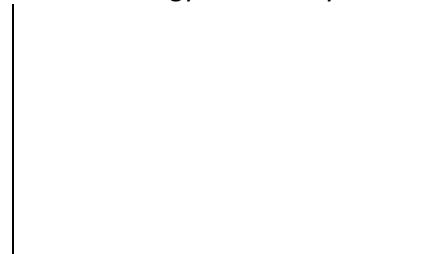
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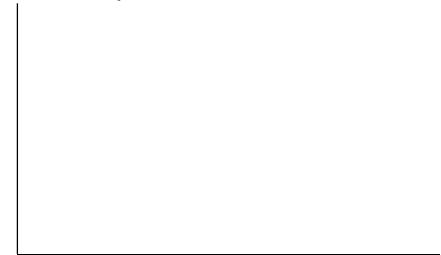
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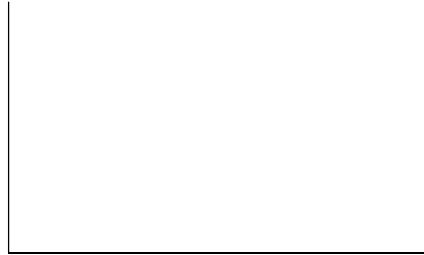
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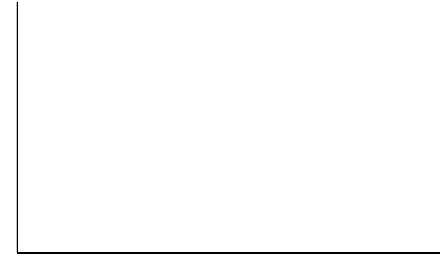
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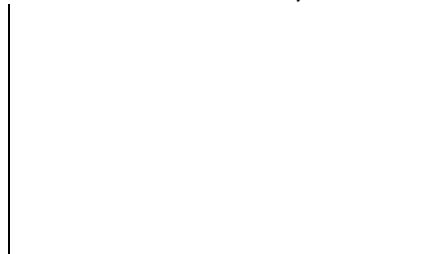
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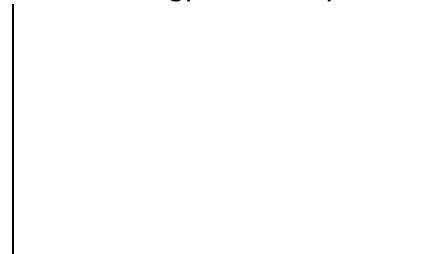
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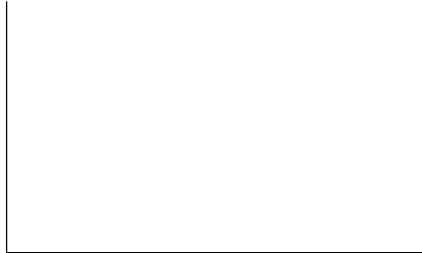
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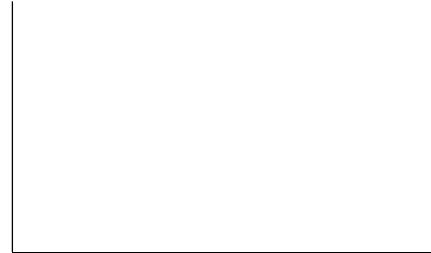
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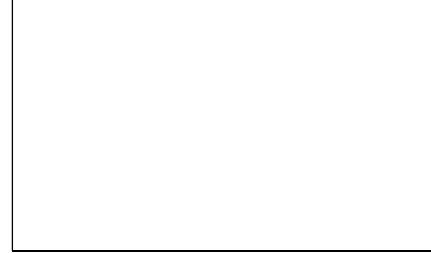
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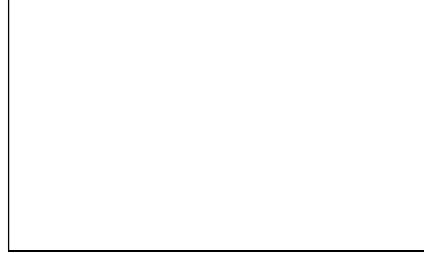
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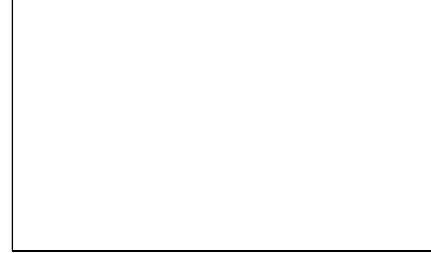
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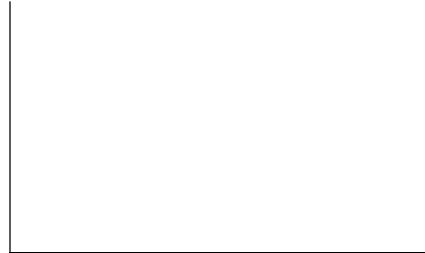
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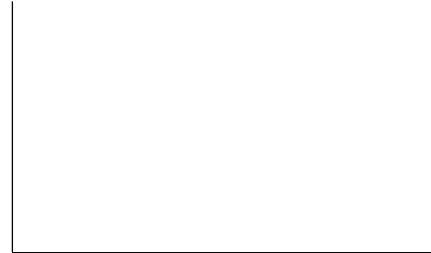
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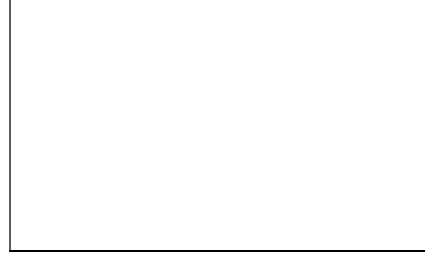
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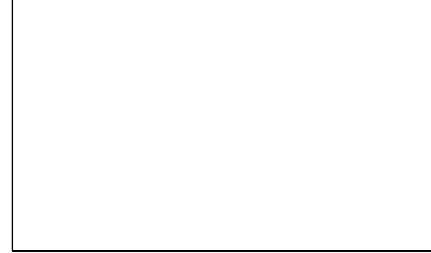
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Momentum vs. Time



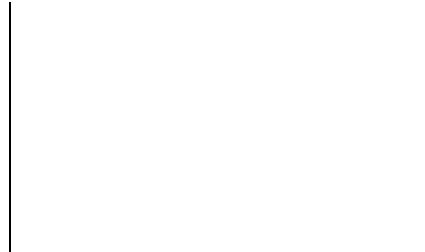
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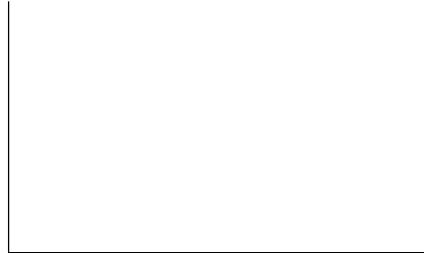
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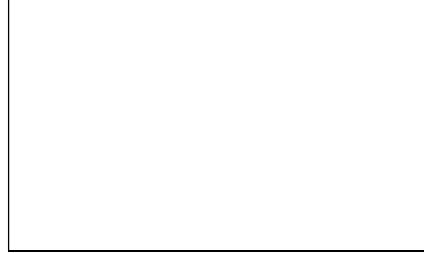
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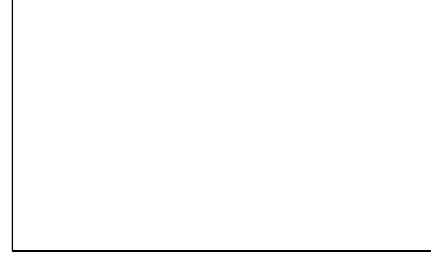
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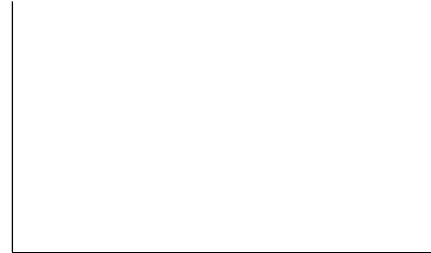
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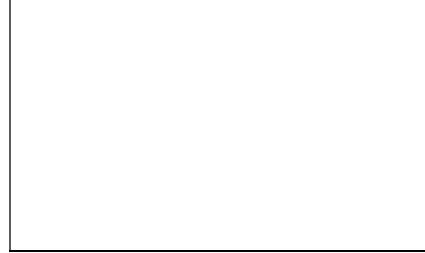
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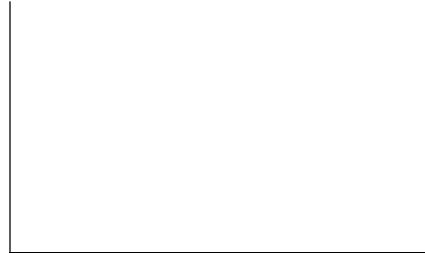
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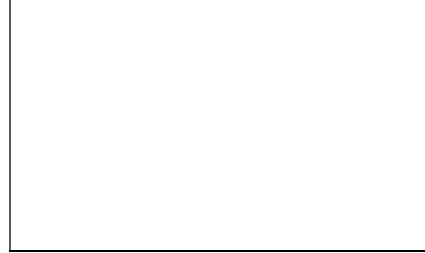
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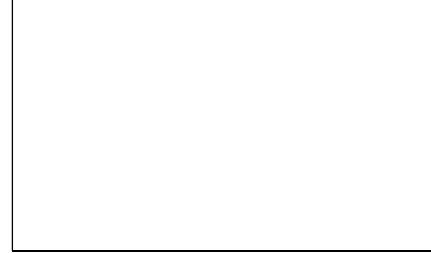
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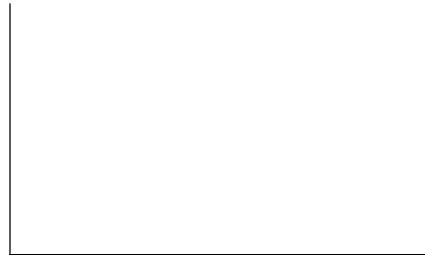
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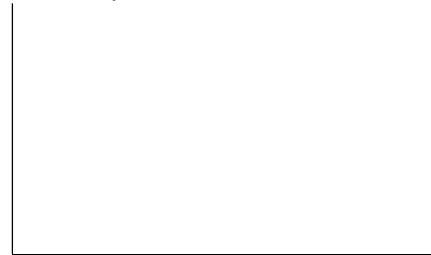
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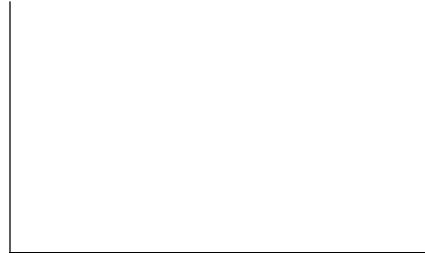
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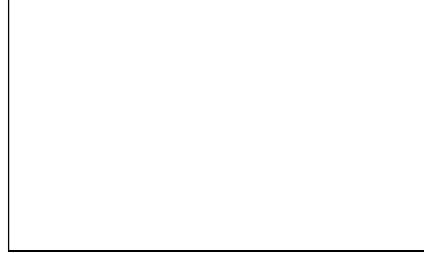
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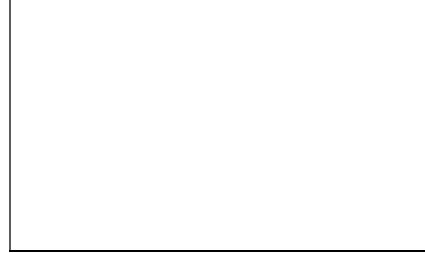
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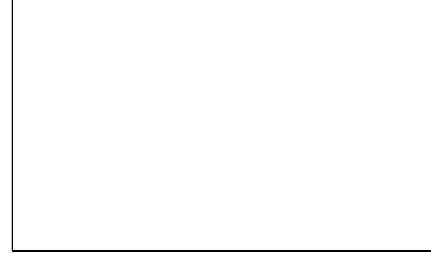
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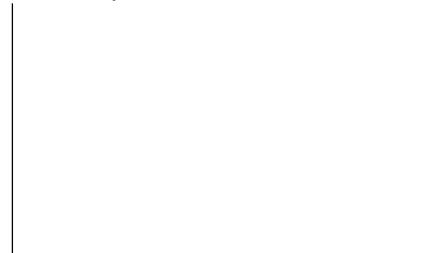
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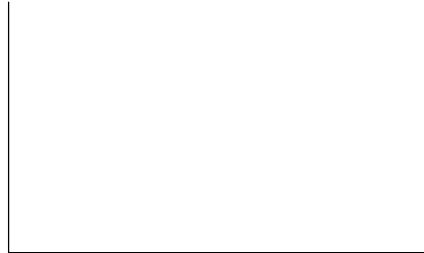
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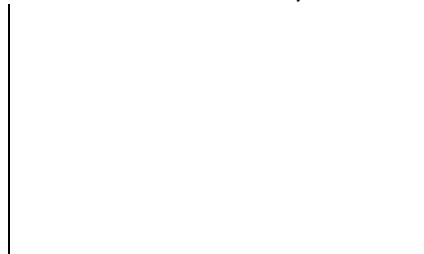
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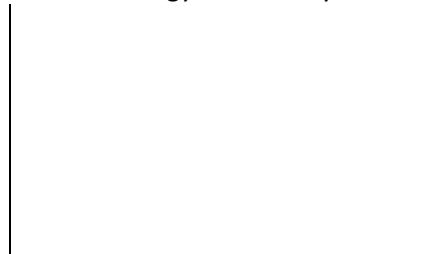
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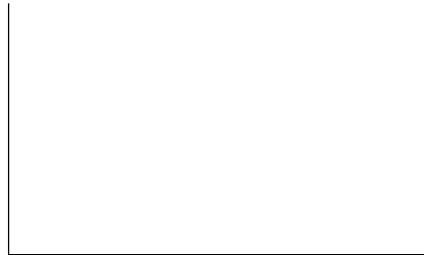
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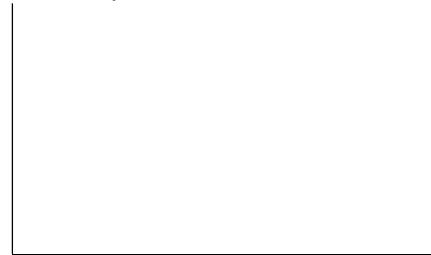
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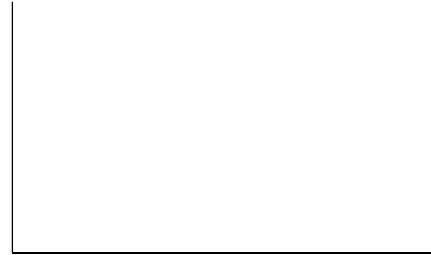
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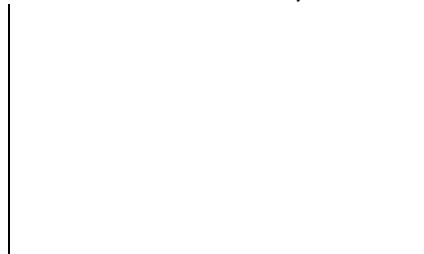
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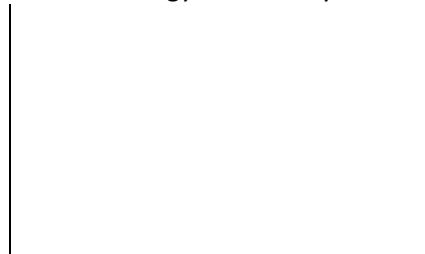
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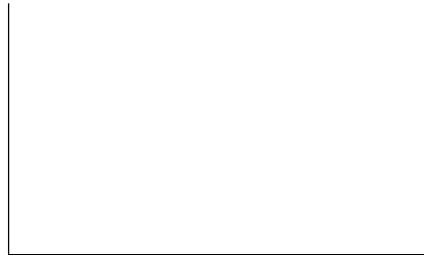
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Time	Force	Acceleration	Velocity	Distance Traveled	Kinetic Energy	Momentum

Using the data in the table above, sketch a graph for each of the relationships (1st term on Y-axis and 2nd term on X-axis)

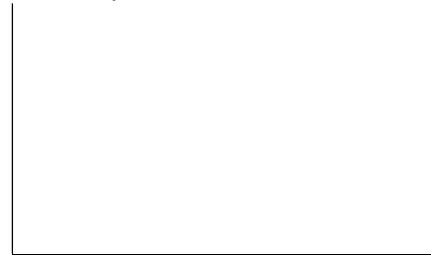
Force vs. Time



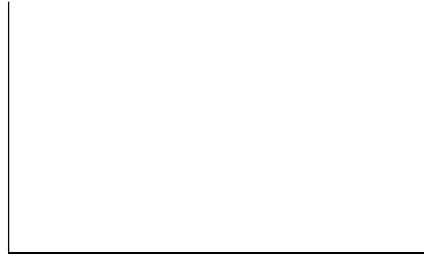
Acceleration vs. Time



Velocity vs. Time



Distance vs. Time



Momentum vs. Time



Kinetic Energy vs. Time



Momentum vs. Velocity



Kinetic Energy vs. Velocity

