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Sample Problems and Solutions. Kinematic Equations and Kinematic Graphs. Earlier in Lesson 6, four kinematic equations were introduced and discussed. A useful problem-solving strategy was presented for use with these

equations and two examples were given that illustrated the use of the strategy. Then, the application of the kinematic equations and the problem-solving strategy to free-fall motion was discussed and illustrated.

Kinematic Equations: Sample Problems and Solutions

Kinematics Sample Problems And Solutions Kinematic Equations: Sample Problems and Solutions Kinematic equations relate the variables of motion to one another. Each equation contains four variables. The variables include acceleration (a), time (t), displacement (d), final velocity (vf), and initial velocity (vi). 1D Kinematics Sample Problems And Solutions Sample Problems.

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is the velocity of the car after 4 seconds? (Answer: 16 m/s) Problem # 2 Page 12/29

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Sample Problems and Solutions

Kinematic Equations and Kinematic Graphs As mentioned in Lesson 5, a free-falling object is an object that is falling under the sole influence of gravity. That is to say that any object that is moving and being acted upon only be the force of gravity is said to be "in a state of free fall."

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