

MSC 1012 questions for Chapter 2 - set 3

Acceleration and Distance

NAME _____

Calculate the following:

- 1) How long would it take an object to drop from a height of 15.0 m if there were no air resistance? The acceleration of gravity is 9.80 m s^{-2} .

ANS: _____

- 2) What distance is required to stop a truck traveling at 30 m s^{-1} if it were to stop at a constant deceleration in 2.0 seconds?

ANS: _____

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1) 1.75 s

2) 30 m