

MSC 1012 questions for Chapter 2 - set 2

Acceleration

NAME _____

Calculate the following:

- 1) What is the acceleration of a motorcycle that reaches 140 km hr^{-1} in 5.5 seconds.
($140 \text{ km hr}^{-1} = 38.9 \text{ m s}^{-1}$) 140 km hr^{-1}

ANS: _____

- 2) Calculate the velocity of a train starting a rest with an acceleration of 0.60 m s^{-2} after 1.0 minute.

ANS: _____

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1) 7.07 m s^{-2}

2) 36 m s^{-1}