

MSC 1012 questions for Chapter 3 set 2

$F = ma$, Newton's 2nd law.

NAME _____

Determine the following:

- 1) Calculate the acceleration that would result from a 4.5 N force operating on a mass of 25.0 kg.

ANS: _____

- 2) Calculate the force needed to accelerate a 5.0 kg mass 3.4 m s^{-2} .

ANS: _____

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1) 0.18 m s^{-2}

2) 17 N