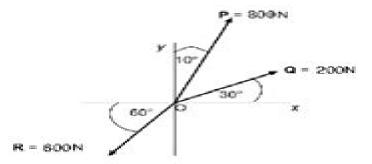
# **G11 PHYSICAL SCIENCE PAPER 1 REVISION**

#### QUESTION 2 (Start on a new page.)

Three forces, P, Q and R, of magnitudes 800N, 200N and 600N respectively, act on a point O in the directions shown in the diagram below.

The forces are NOT drawn to scale.



Determine the magnitude and direction of the resultant force by CALCULATION

(B)

### QUESTION 3 (Start on a new page.)

A constant force, F, pulls a 35kg block at a constant speed over a rough horizontal surface, AB, as shown in the diagram below. The coefficient of kinetic friction ( $\mu_k$ ) between the block and the surface is 0.4.



- Draw a labelled free-body diagram showing ALL the forces acting on the block. (4)
- 3.2 State Newton's first law of motion in words. (2)

Calculate the magnitude of the:

3.3 Force F (6)

# Northwest 2013 Physical Science Paper 1

William N. Orr, Elizabeth L. Orr

Northwest 2013 Physical Science Paper 1:

## Reviewing Northwest 2013 Physical Science Paper 1: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "Northwest 2013 Physical Science Paper 1," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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