

**Paper Reference(s) 4PH1/2PR**  
**Pearson Edexcel International GCSE (9–1)**

**Physics**  
**UNIT: 4PH1**  
**PAPER: 2PR**

## **Diagram Booklet**

**In the boxes below, write your name, centre number and candidate number.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

**THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.**

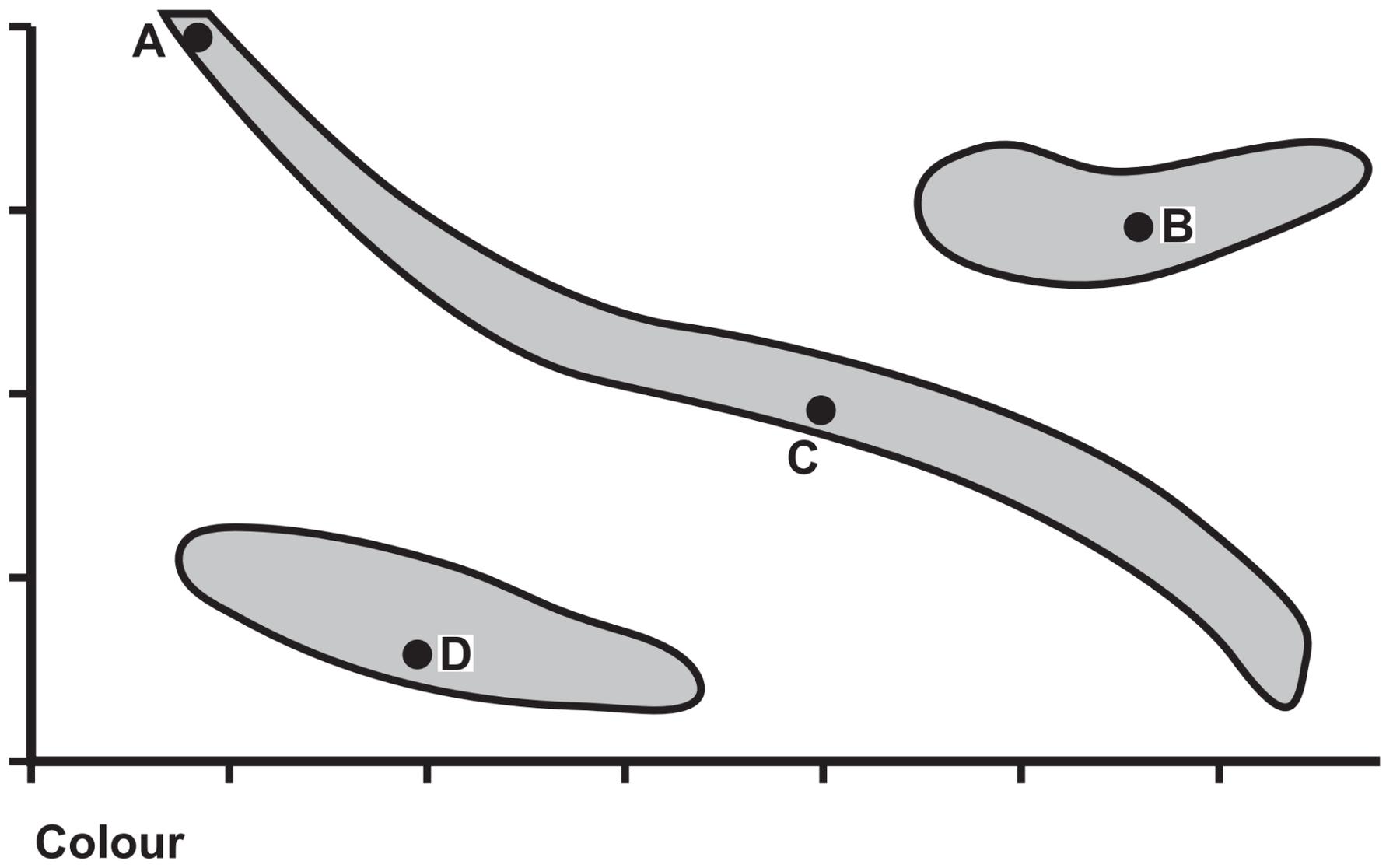
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Question 1

Absolute magnitude



Question 1(a)

**Point**

**Star classification**

**A**

**star similar to the Sun**

**B**

**white dwarf**

**C**

**red giant**

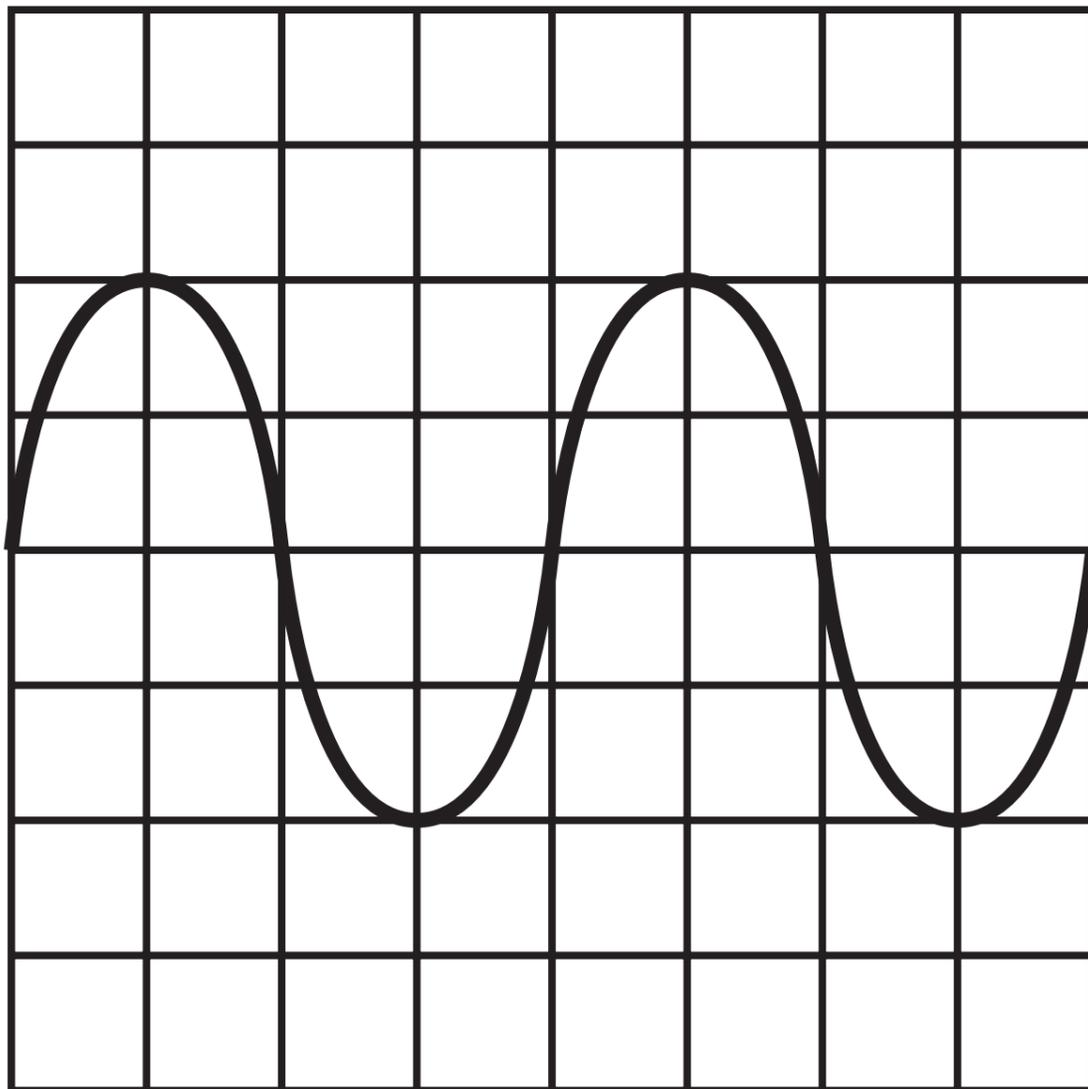
**D**

**very bright blue star**

## Question 1(a)

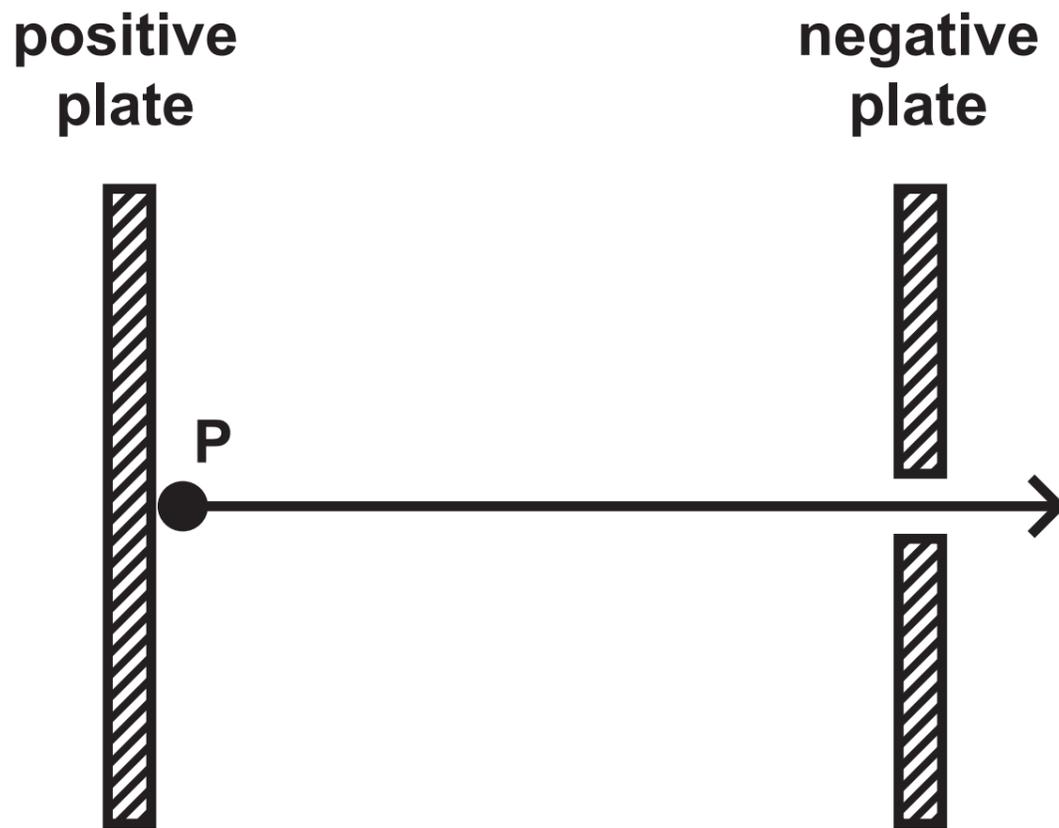
**Point****A****B****C****D****Star classification**● **star similar to the Sun**● **white dwarf**● **red giant**● **very bright blue star**

## Question 2(b)

**Oscilloscope settings****y direction: 1 square = 0.1 V****x direction: 1 square = 5.0 ms**

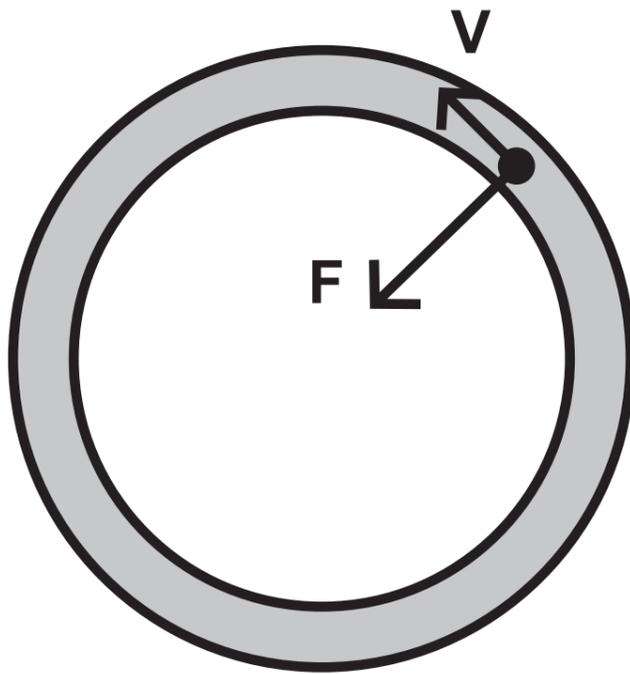
Question 3(b)

DIAGRAM 1



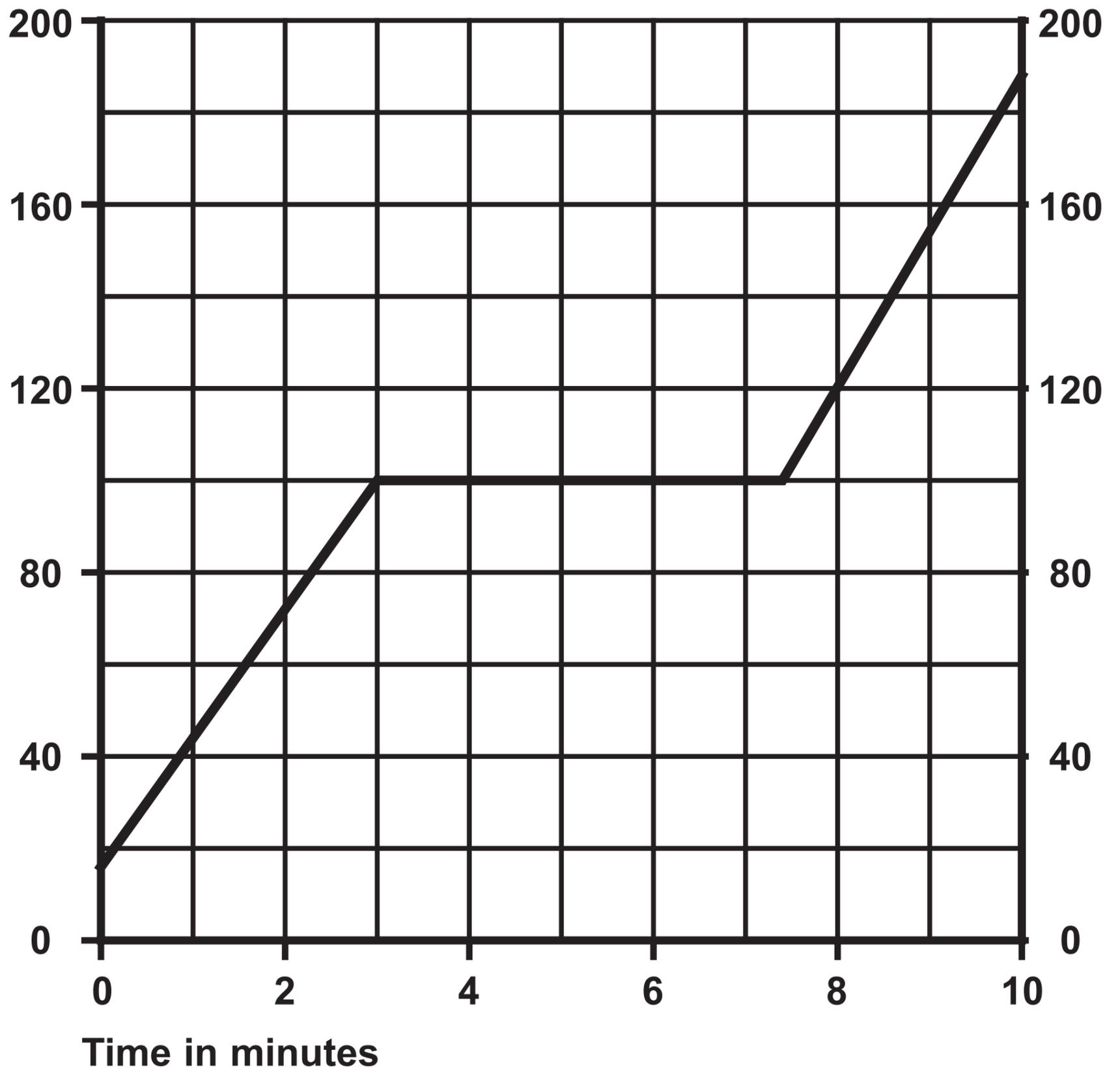
Question 3(c)

DIAGRAM 2

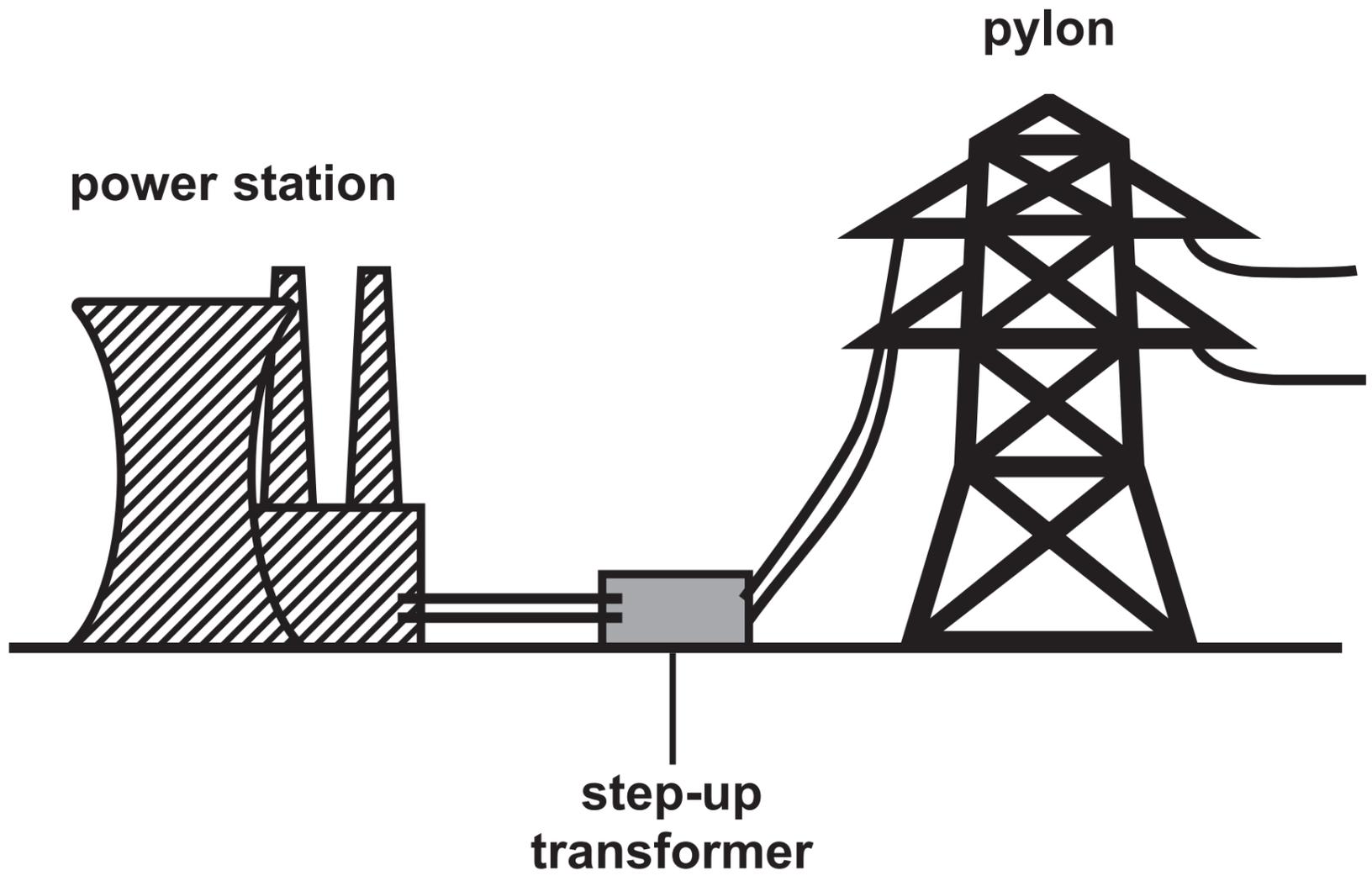


## Question 4(b)(i)

Temperature in °C

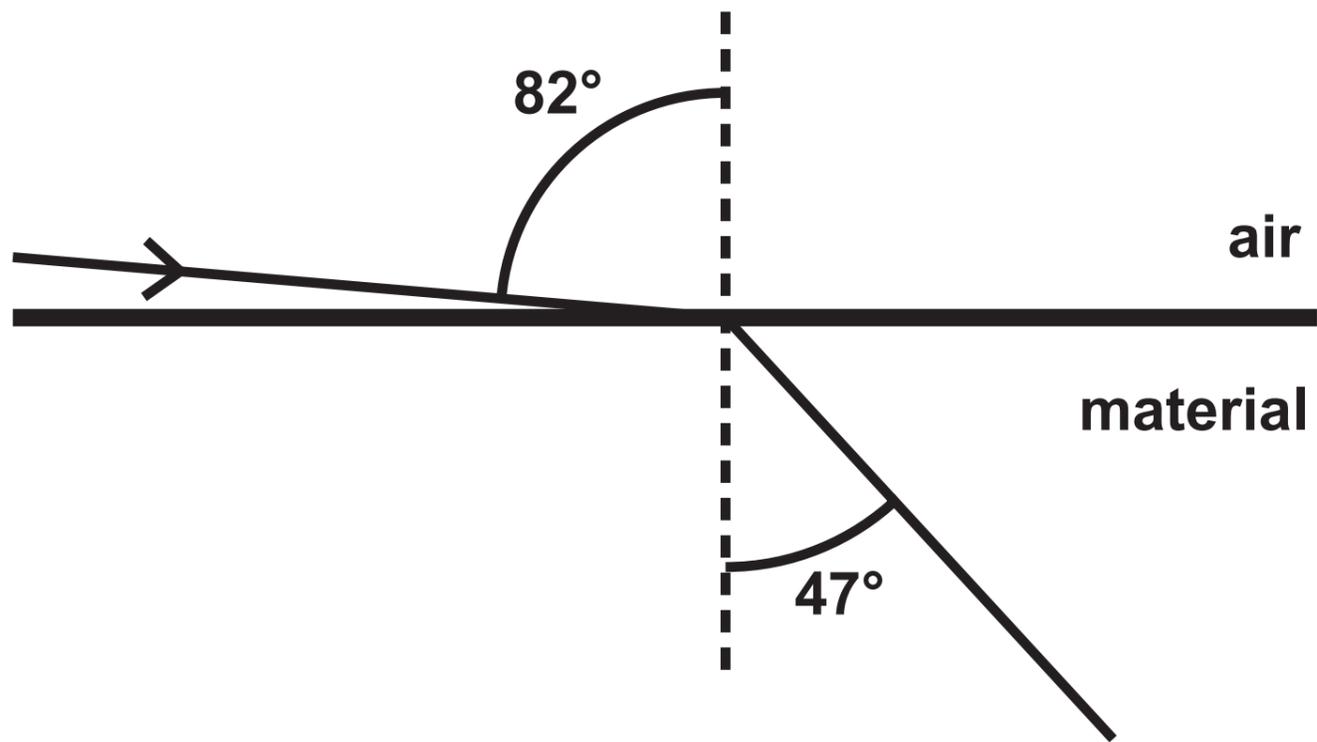


Question 5



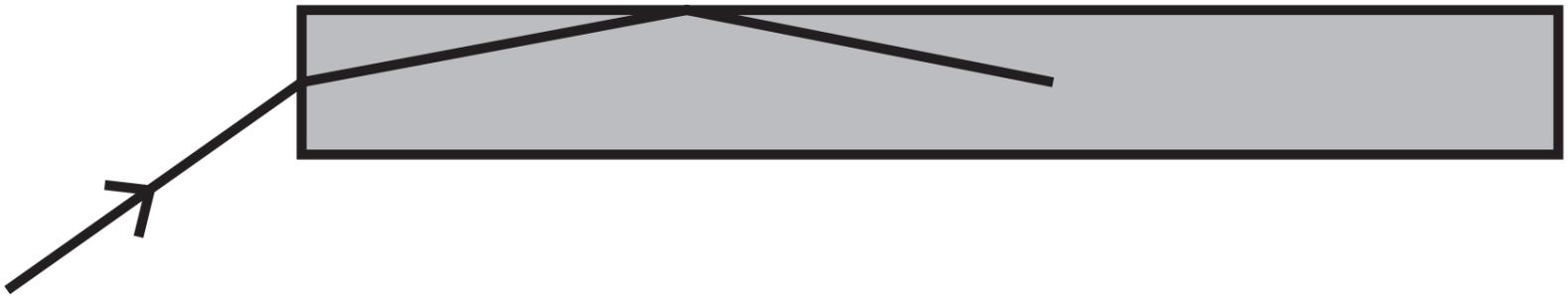
Question 6(b)

DIAGRAM 1



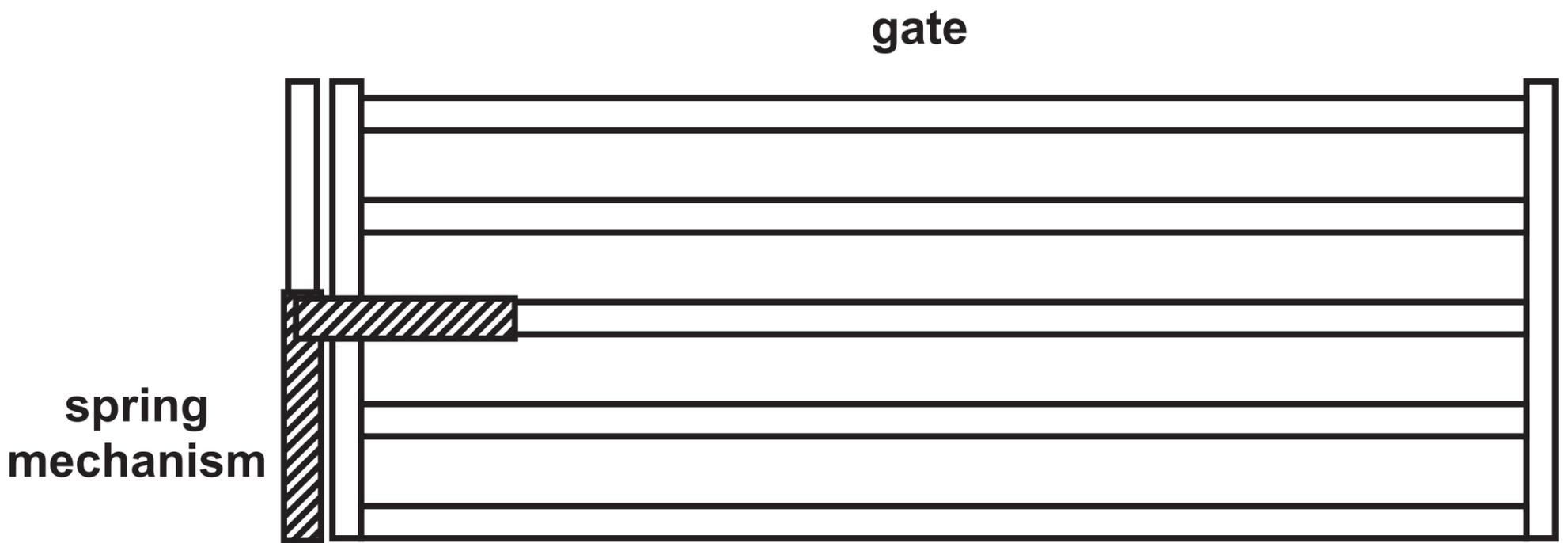
Question 6(c)

DIAGRAM 2



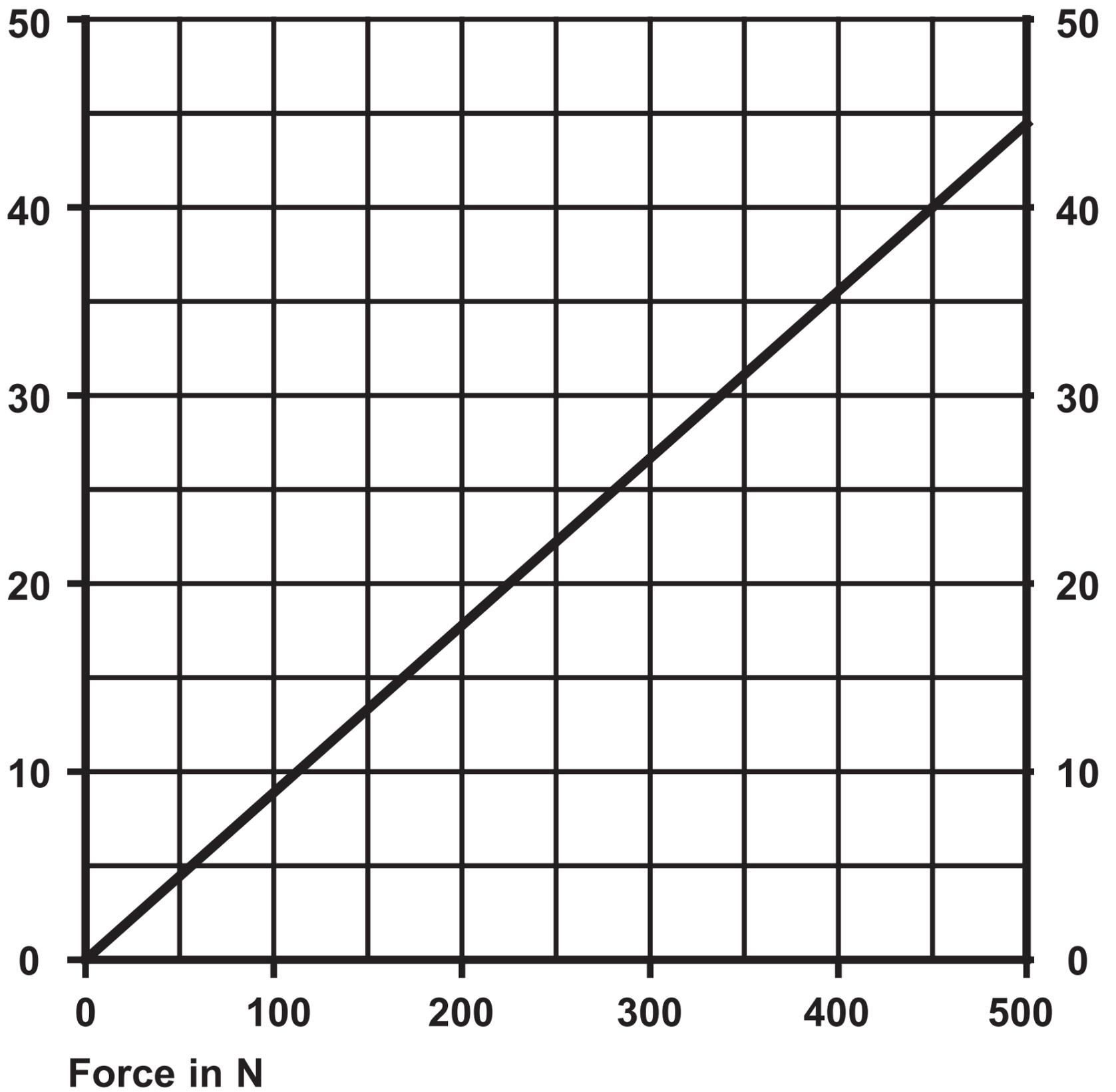
Question 7

DIAGRAM 1



## Question 7(a)

Extension in cm



## Question 7(b)

DIAGRAM 2

