

Physics
UNIT: 4PH1
PAPER: 2PR

Diagram Booklet

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

Surname					
Other names					
Centre Number					
Candidate Number					

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.

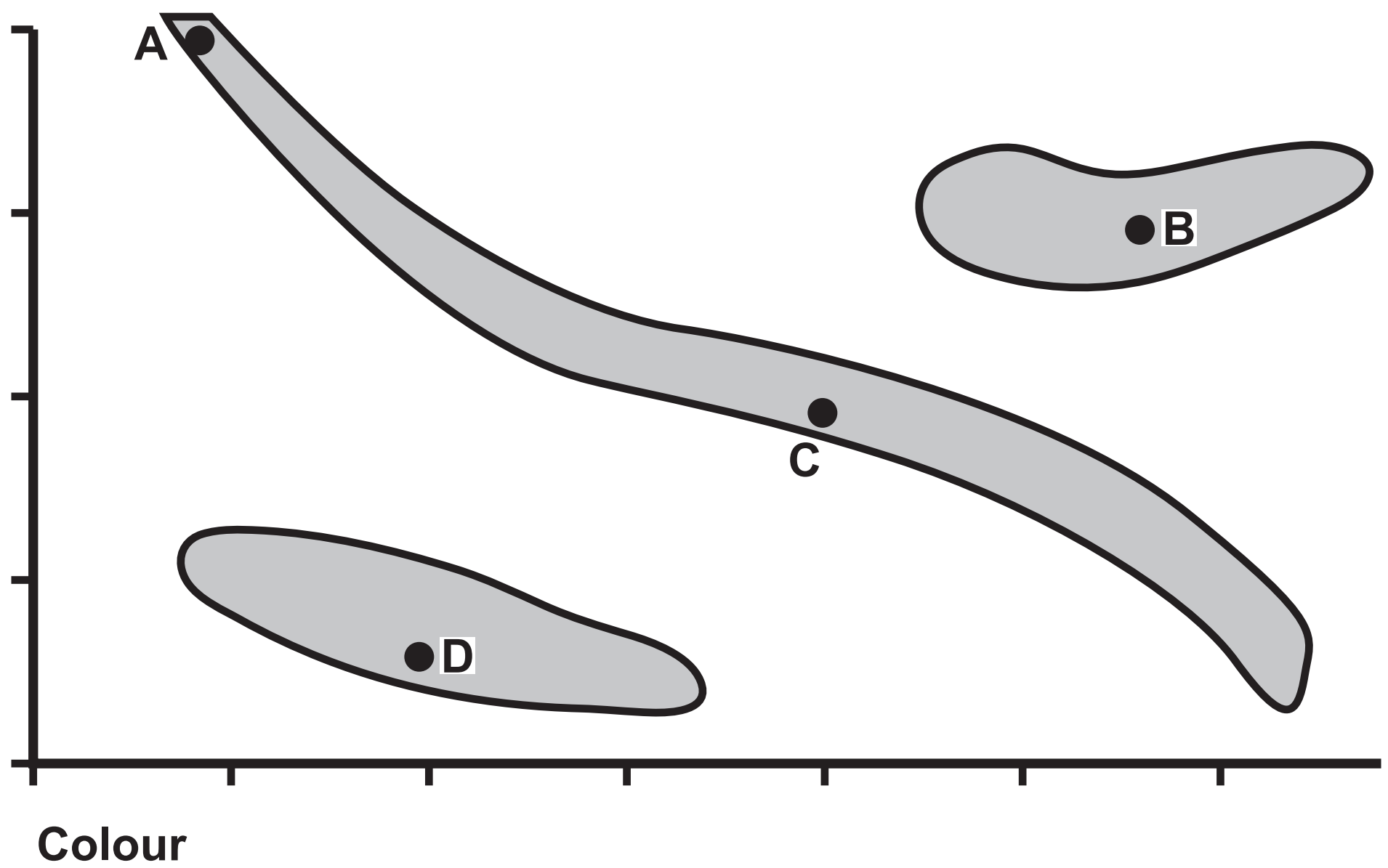
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Question 1

Absolute magnitude



Question 1(a)

Point**A****B****C****D****Star classification**

star similar to the Sun

white dwarf

red giant

very bright blue star

Question 1(a)

Point**A****B****C****D****Star classification**

star similar to the Sun

white dwarf

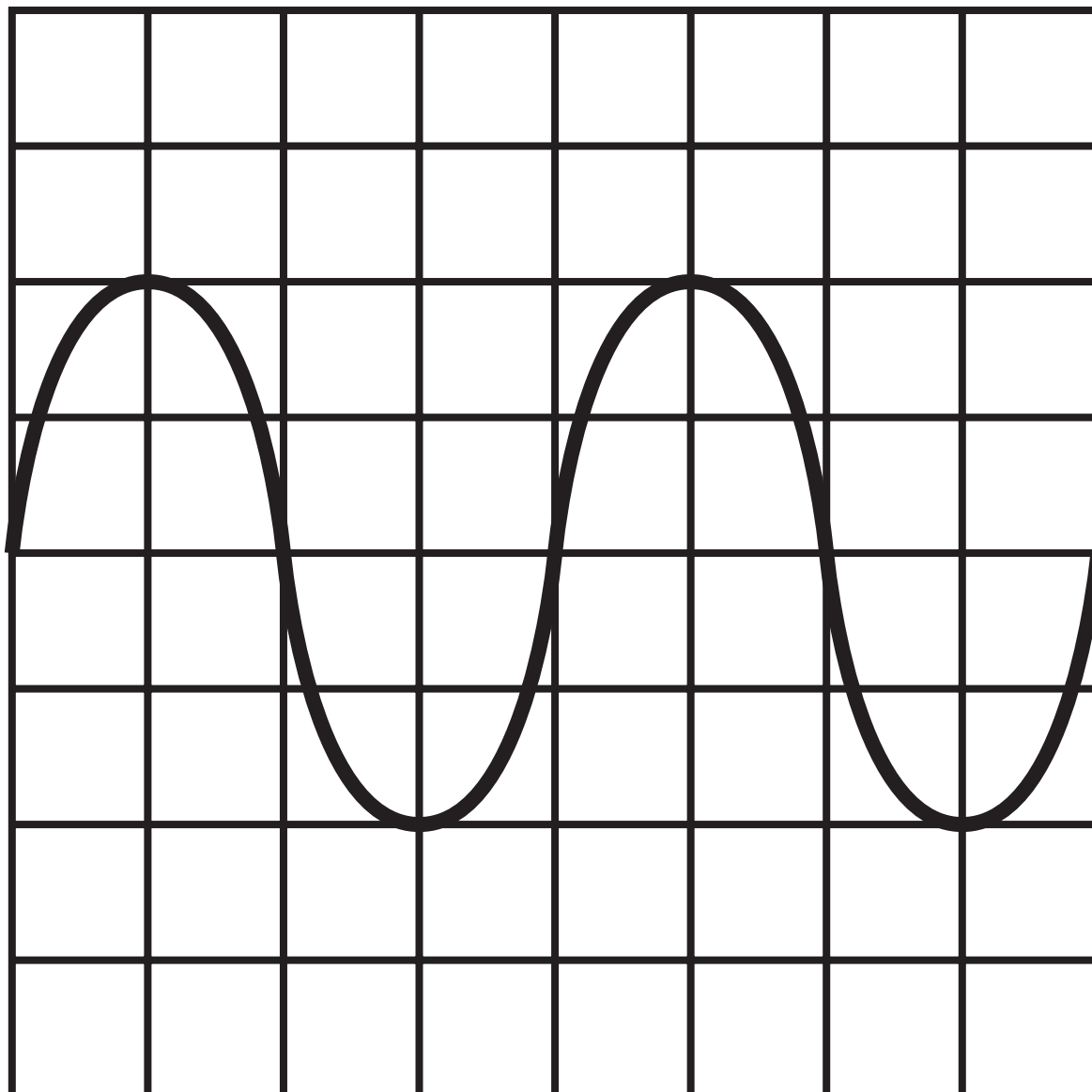
red giant

very bright blue star

Question 2(b)**Oscilloscope settings**

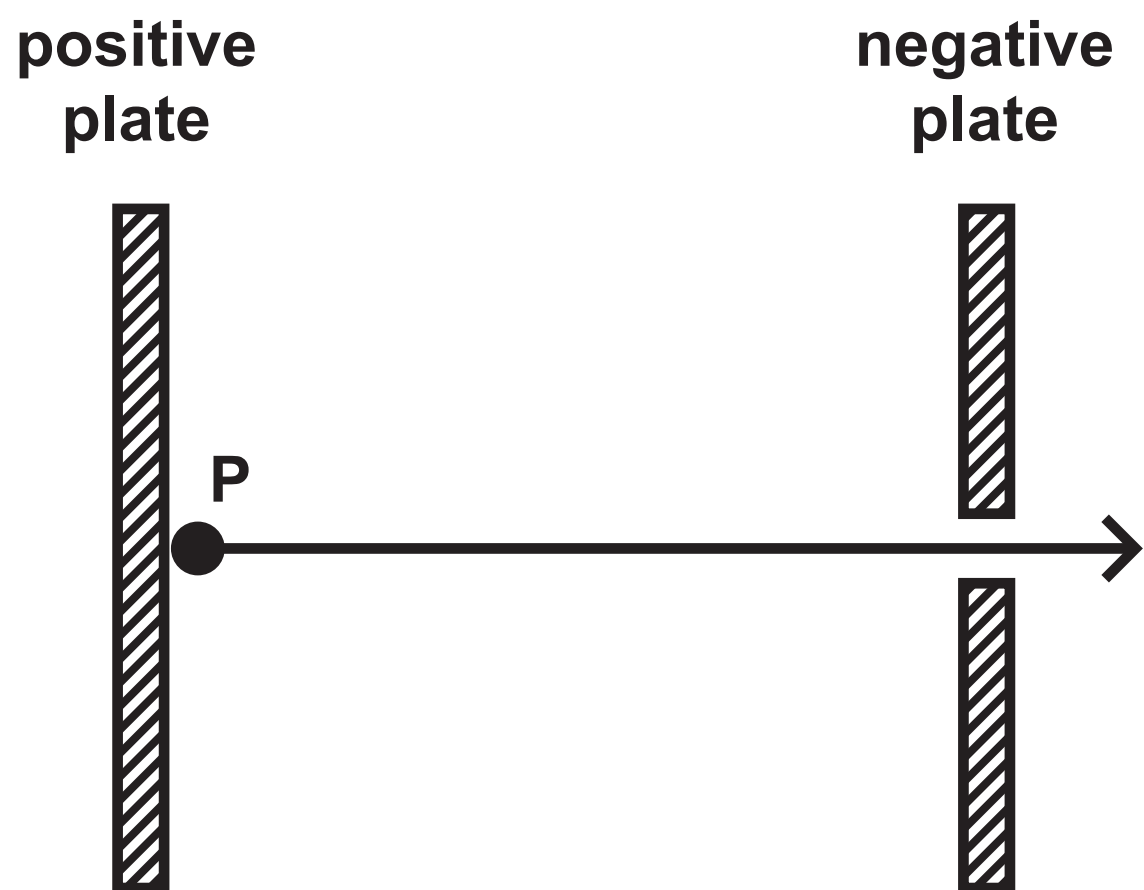
y direction: 1 square = 0.1 V

x direction: 1 square = 5.0 ms



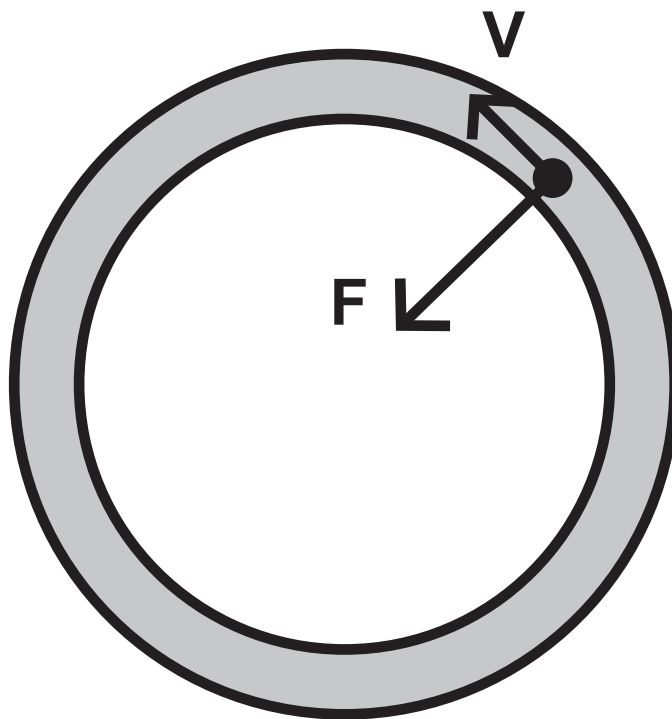
Question 3(b)

DIAGRAM 1

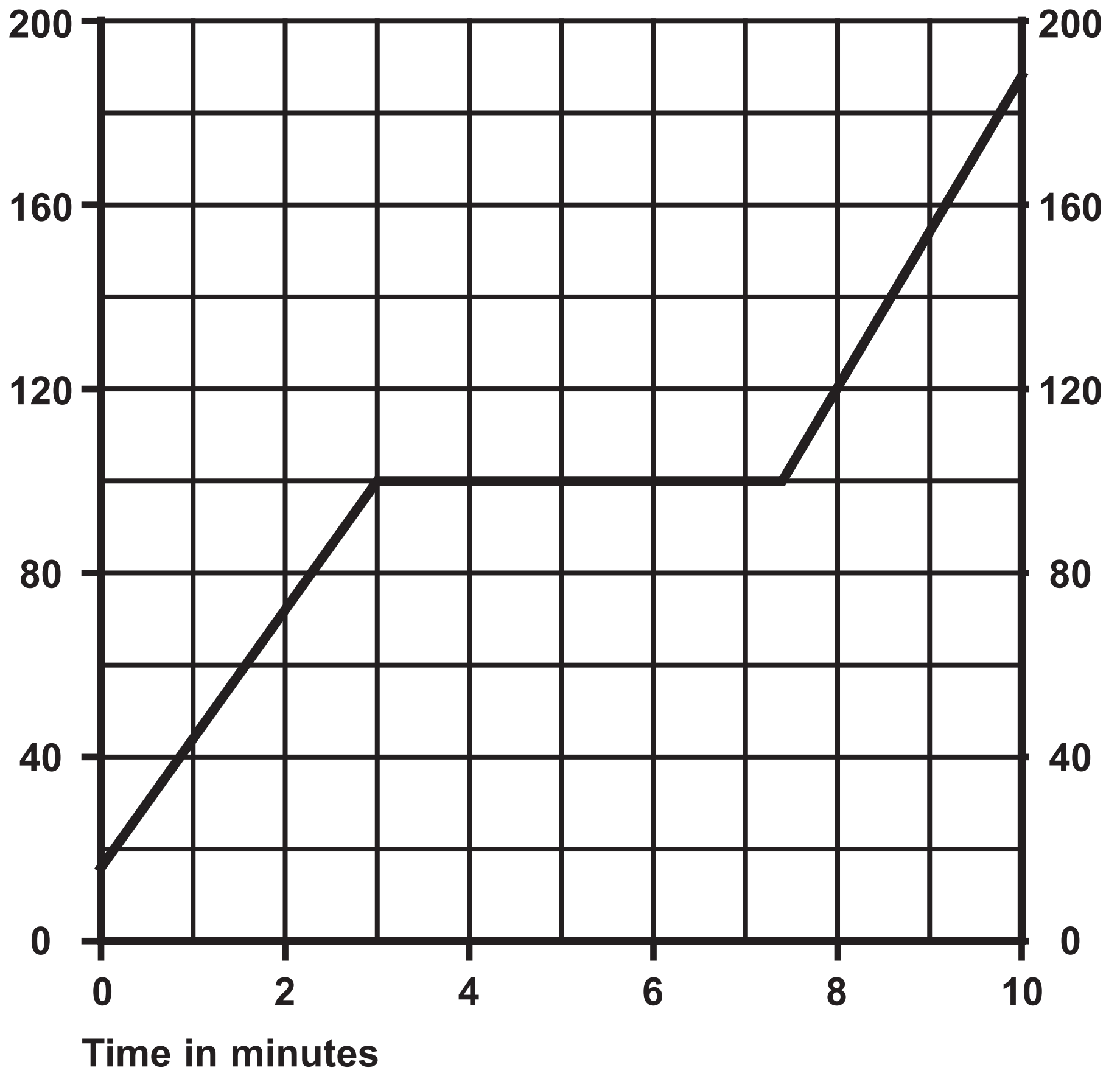


Question 3(c)

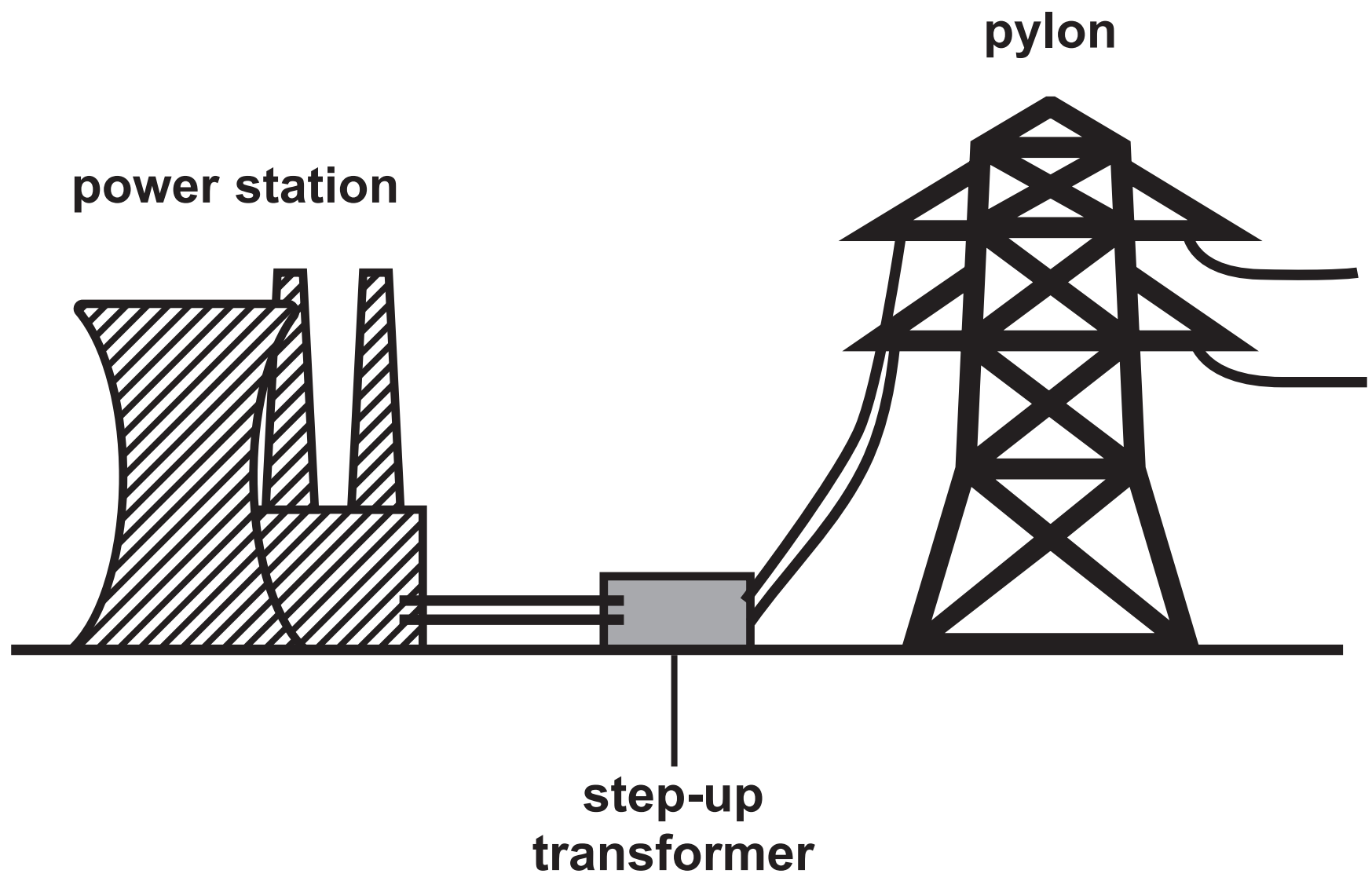
DIAGRAM 2



Question 4(b)(i)

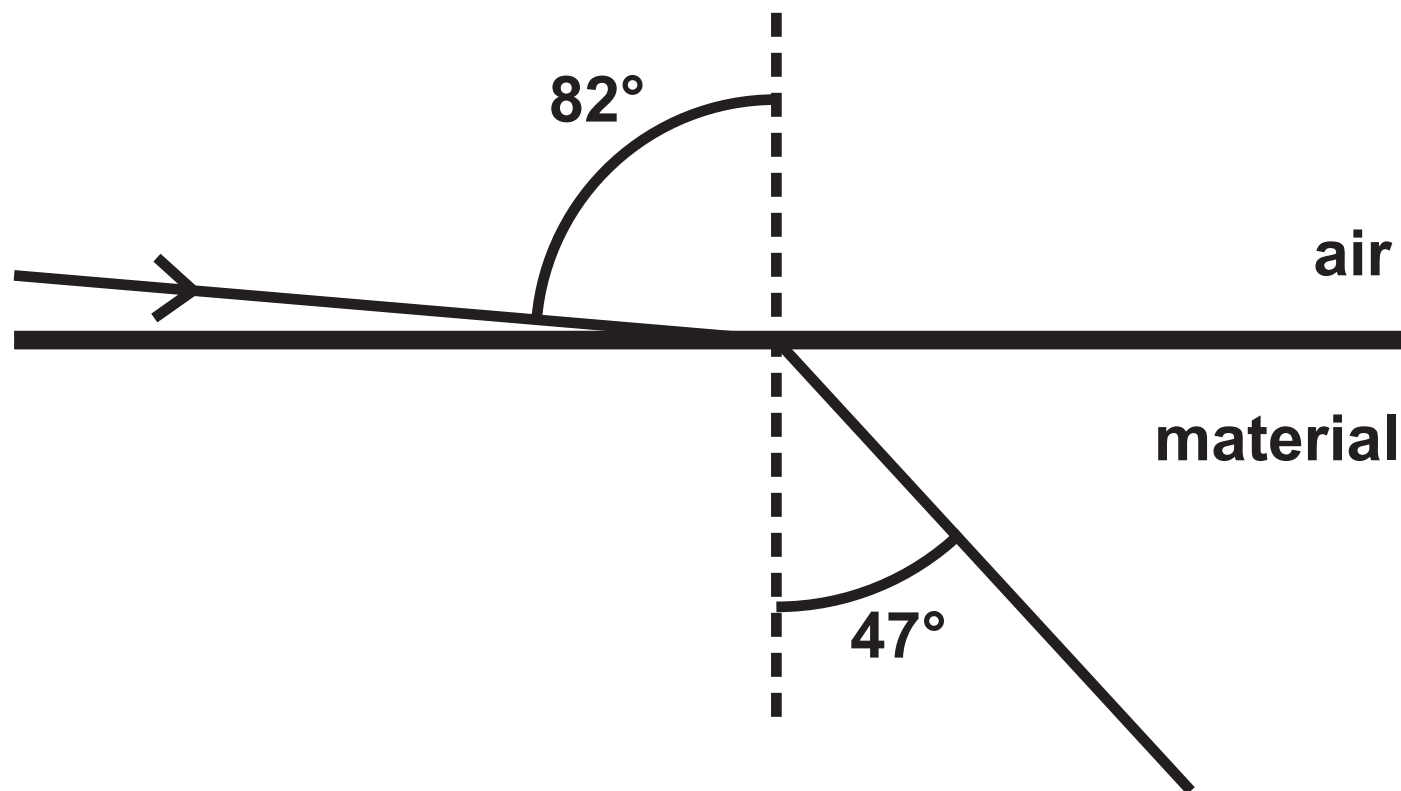
Temperature in $^{\circ}\text{C}$ 

Question 5



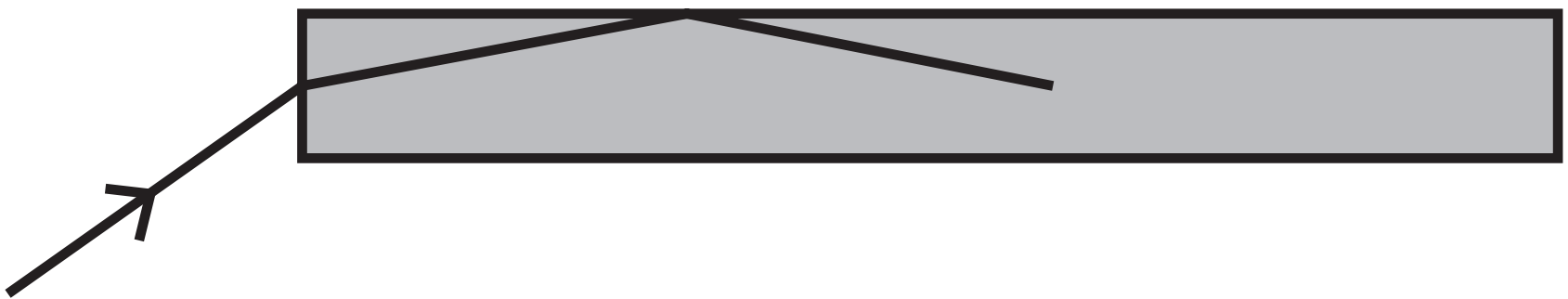
Question 6(b)

DIAGRAM 1



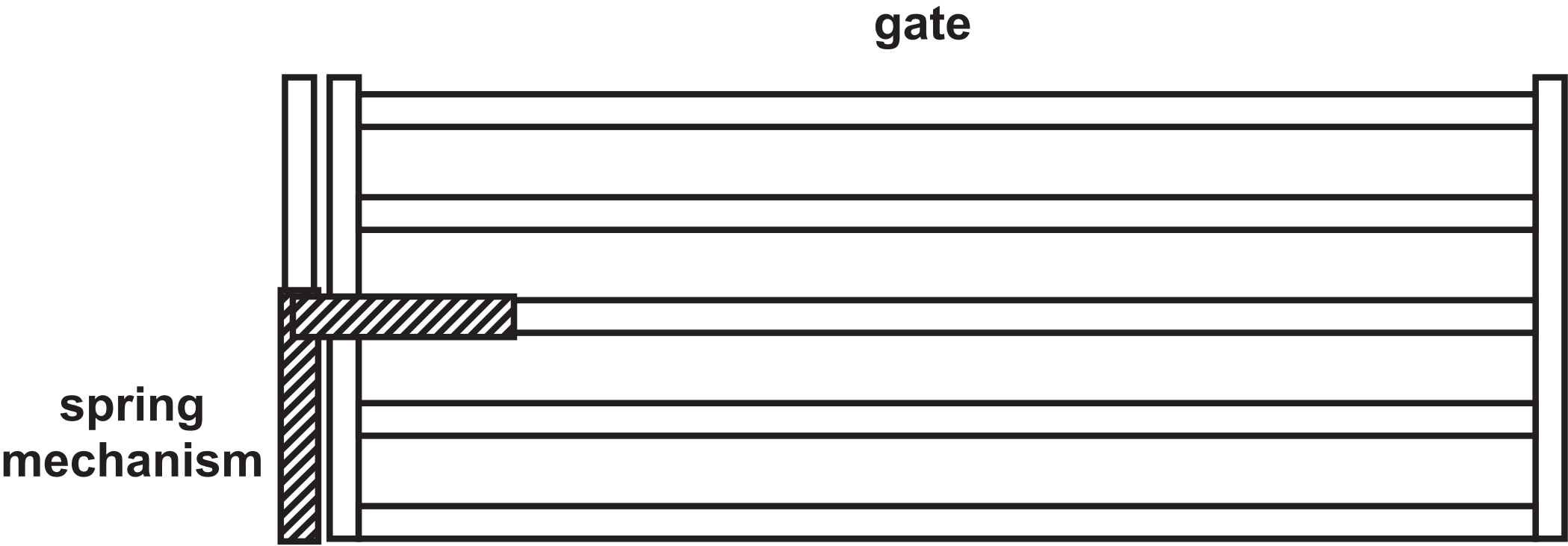
Question 6(c)

DIAGRAM 2



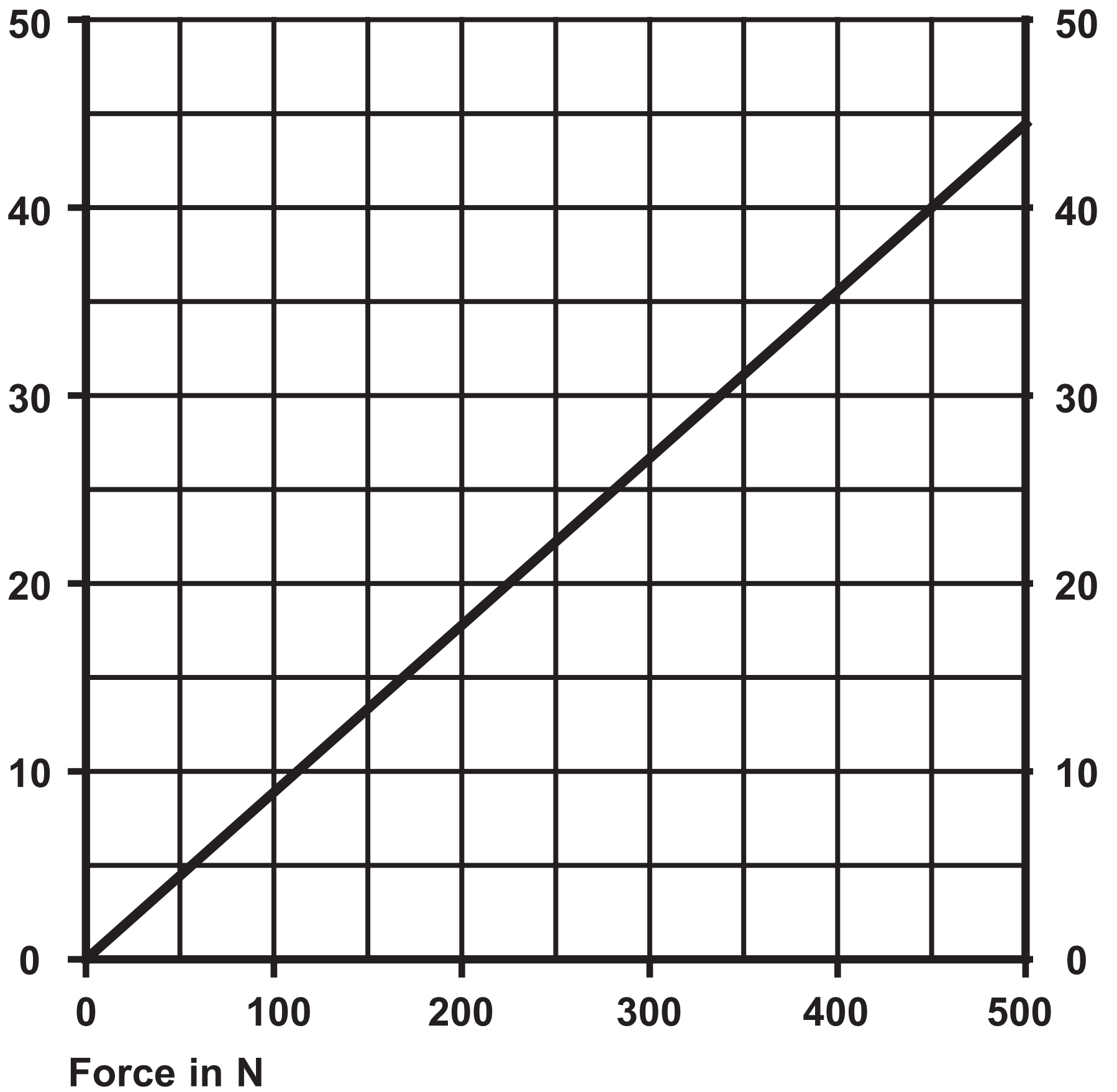
Question 7

DIAGRAM 1



Question 7(a)

Extension in cm



Question 7(b)

DIAGRAM 2

