1. (a) State the difference between vector and scalar quantities and give TWO examples of each.

_____

_____

_____

_____

[3 marks]

(b) (i) Using the information shown in Figure 1, complete the table to show the components of the vectors P and Q and the components of P - Q.

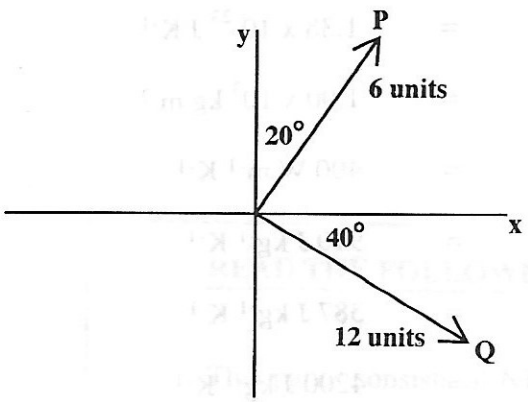
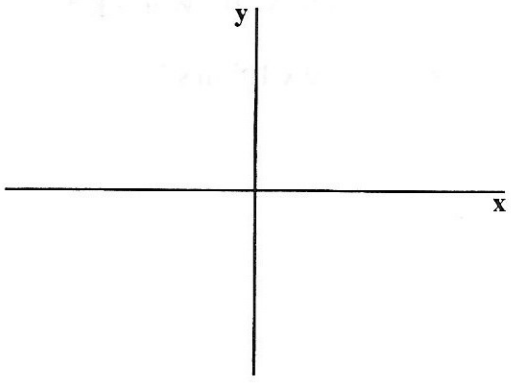


Figure 1

vector	x component	y component
P		
Q		
P - Q		

[4 marks]

(ii) On the axes below draw a labelled vector through the origin representing the vector P - Q. (Show your calculations in the space next to the diagram).



[3 marks]

Total 10 marks

GO ON TO THE NEXT PAGE