







2. (a)







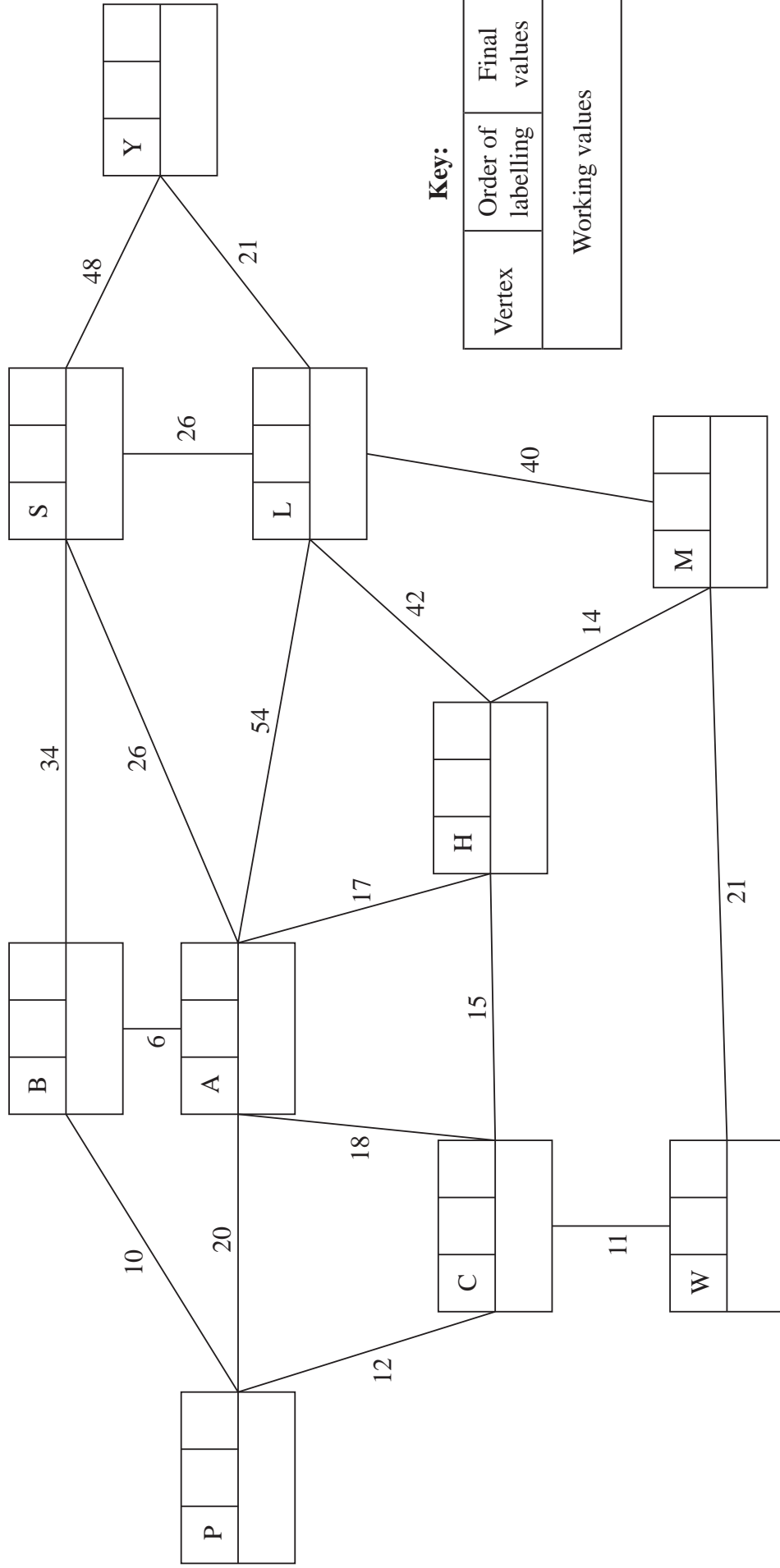








5. (a)



**Key:**

Vertex	Order of labelling	Final values
Working values		

Shortest route: \_\_\_\_\_

Length of shortest route: \_\_\_\_\_

Leave blank



Leave  
blank

**Question 5 continued**

(b)

Blank lined area for writing the answer to Question 5(b).

**(Total 9 marks)**

**Q5**

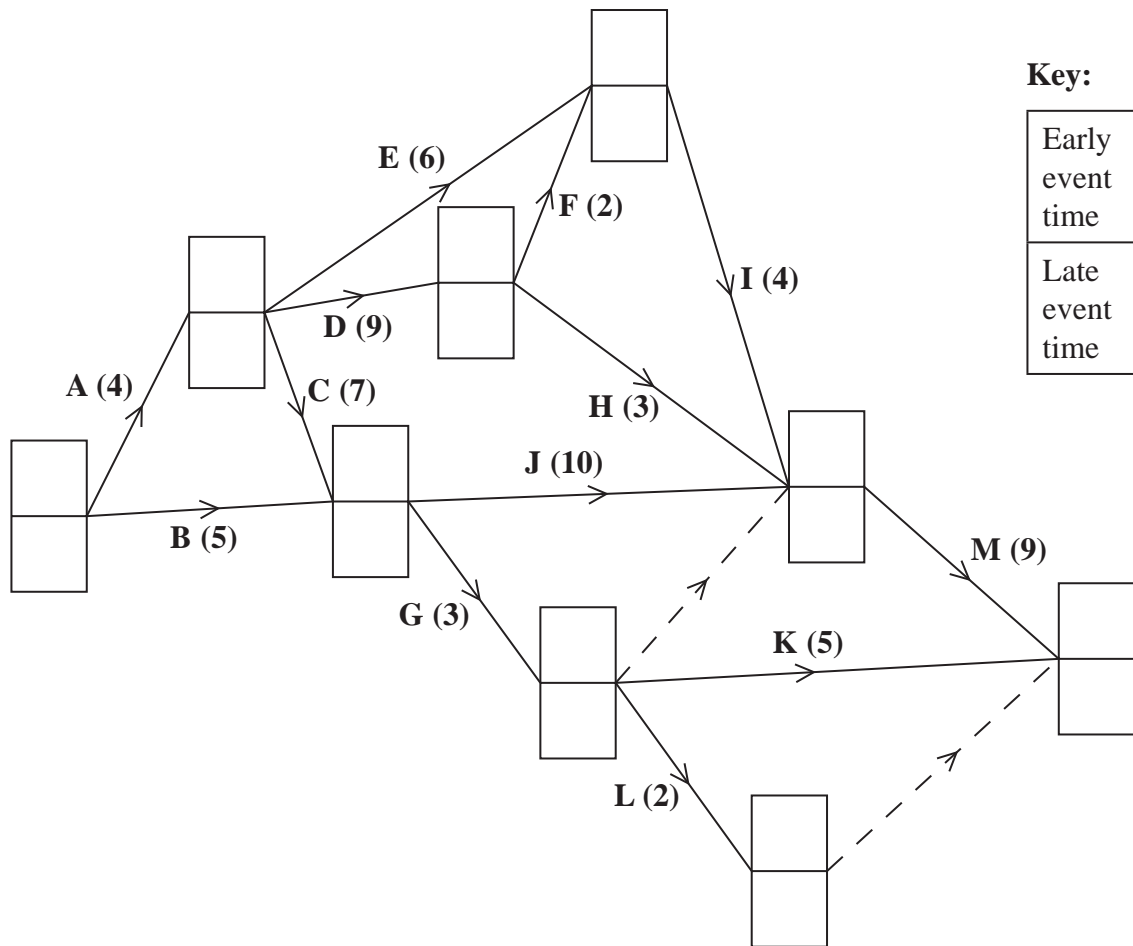






7. (a) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(b)



**Diagram 1**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**Question 7 continued**

(c) Critical activities \_\_\_\_\_

(d) \_\_\_\_\_

\_\_\_\_\_

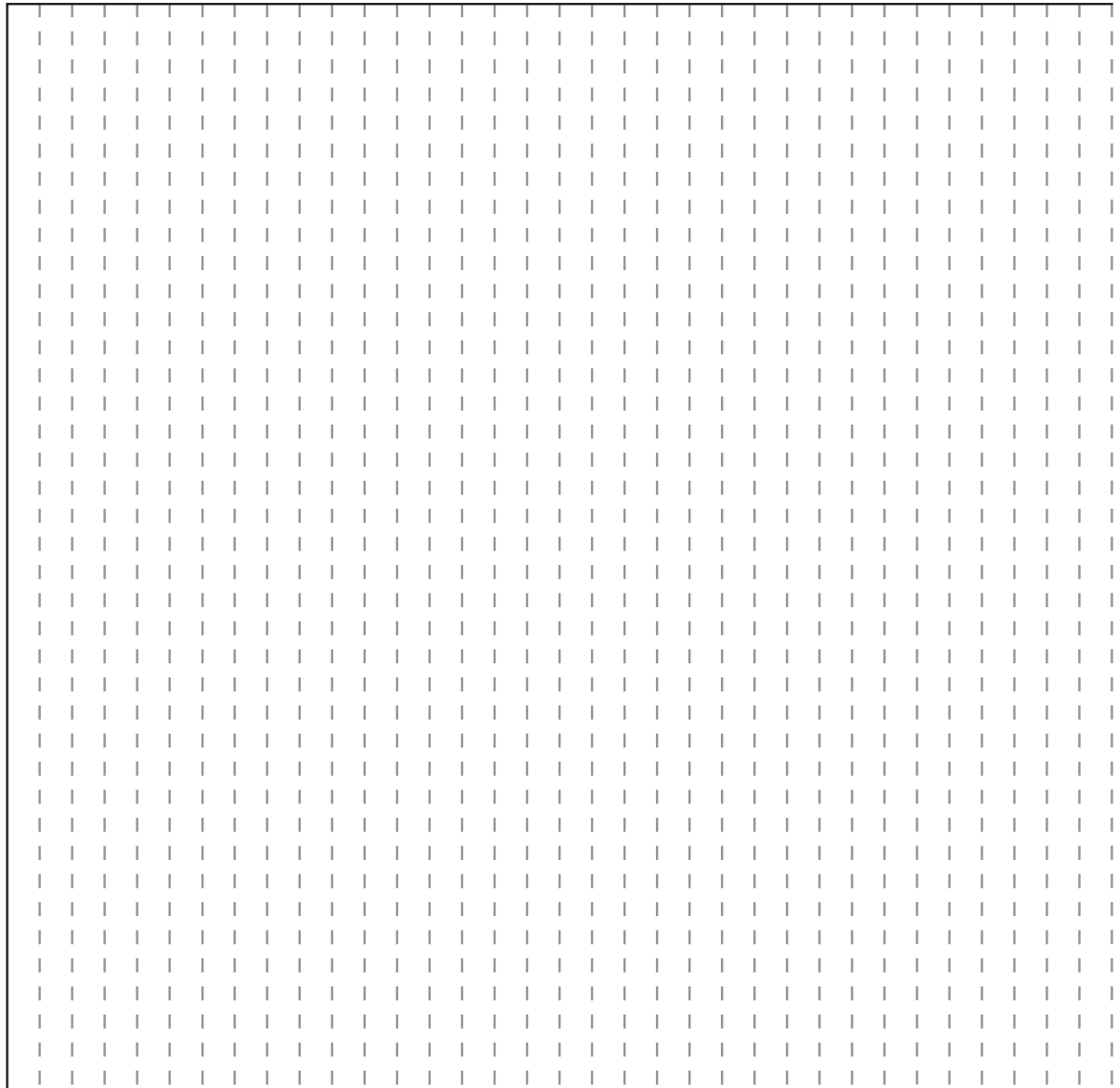
(e) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(f)

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34



**Grid 1**

**(Total 14 marks)**

**Q7**

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8.

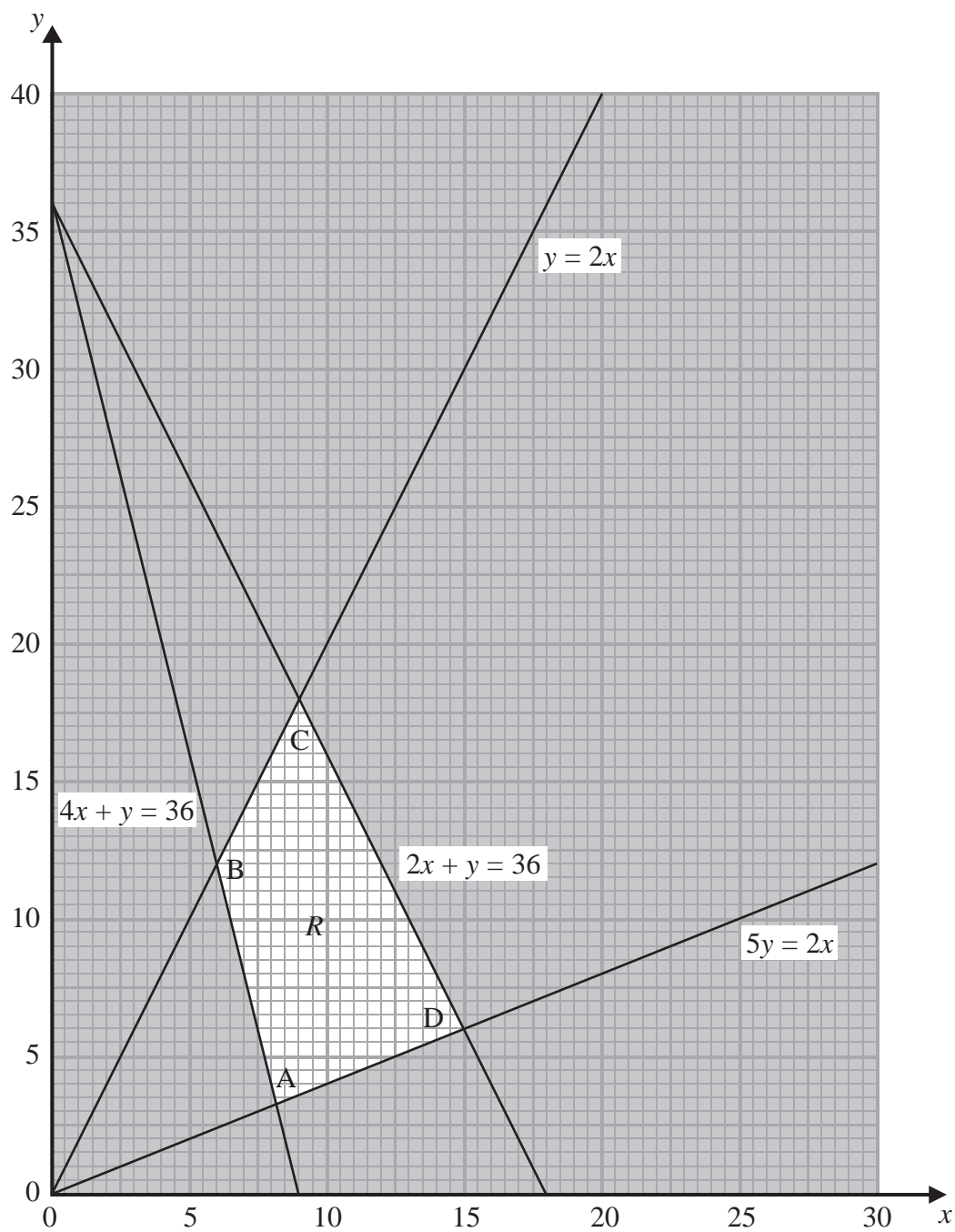


Figure 4









