Practice worksheet | Networks

Drawing networks from situations

Name: _____ Date: _____

6 questions | 15 marks

1. Draw vertices A-D with edges AB, AC and CD. [3 marks]

2. Do services AB and BC alone justify a direct edge AC? [2 marks]

3. A connection table has rows and columns in the order A, B, C. Its rows are (0,1,1), (1,0,0), (1,0,0). List each undirected edge once. [2 marks]

4. An undirected table has $AB = 1$ and $BA = 0$. Explain the problem. [3 marks]

5. Mia, Noah and Priya share chess; Priya and Leo share music. Draw an edge for each pair sharing a club. [3 marks]

6. A model includes six towns, two without roads. A student draws four vertices. What is missing? [2 marks]