Practice worksheet | Networks

Using networks to explain practical relationships

Name: _____ Date: _____

6 questions | 14 marks

1. Libraries are vertices and direct delivery services are edges. Interpret an isolated vertex. [2 marks]

2. Components are {A,B,C} and {D,E,F}. Suggest a link connecting them. [2 marks]

3. A route has lengths 3.2,1.5,2.8 km. Find its total. [2 marks]

4. A chain AB,BC,CD gains edge AD. Explain a reliability benefit. [3 marks]

5. Why can a three-link route be shorter than a two-link route? [2 marks]

6. A road model assumes every road is two-way and open. Give two limitations for emergencies. [3 marks]