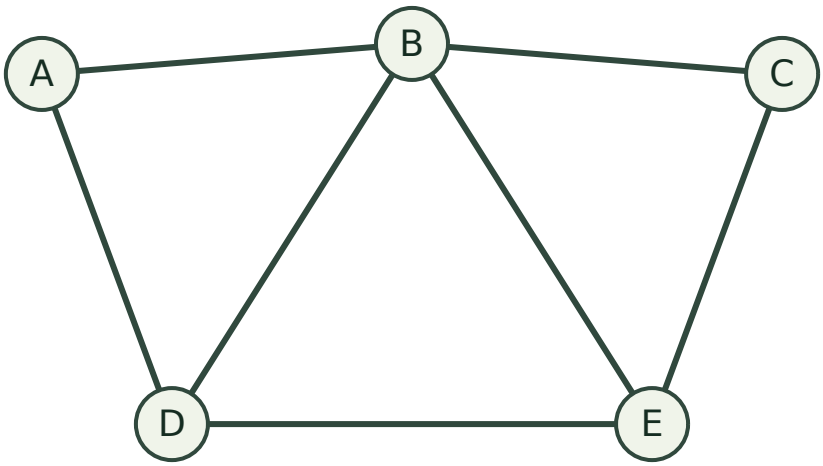
Practice worksheet | Networks

Vertices, edges and connections

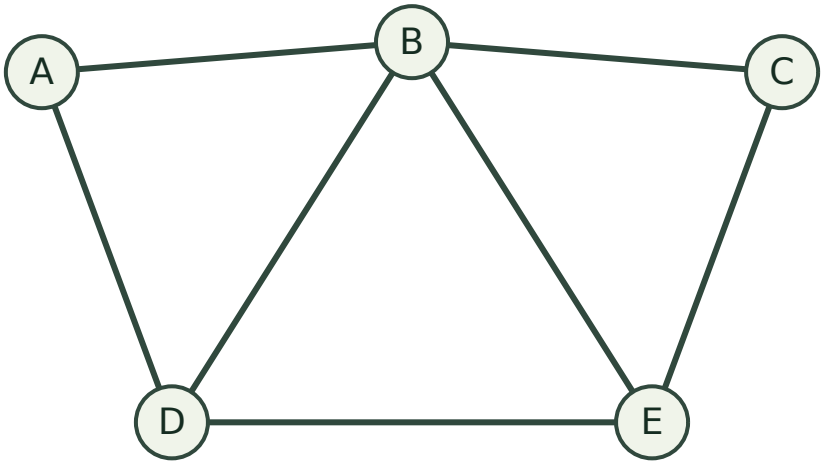
Name: _____ Date: _____

6 questions | 14 marks

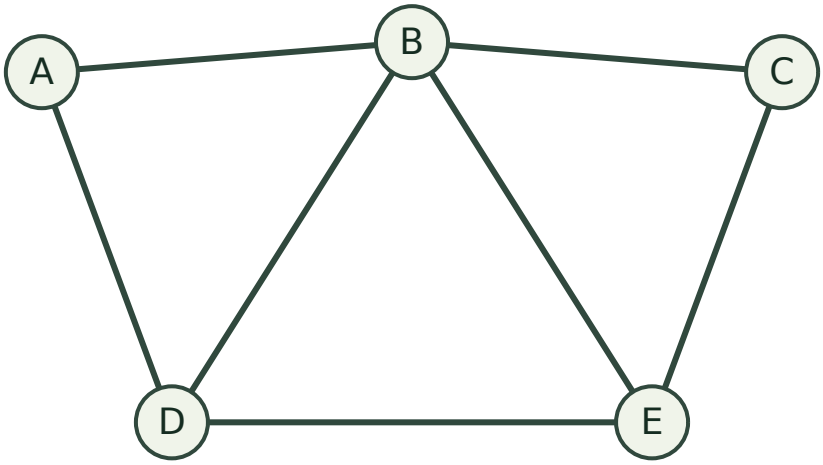
1. Count the vertices and edges. [2 marks]



2. List all neighbours of D. [2 marks]



3. Find all degrees and check their sum. [3 marks]



4. A network has degrees 2,2,2,2,0. Find its edge count. [2 marks]

5. Can three vertices each have degree 1, with no other vertices? Explain. [3 marks]

6. In a mutual-friendship network, what does degree 4 represent? [2 marks]