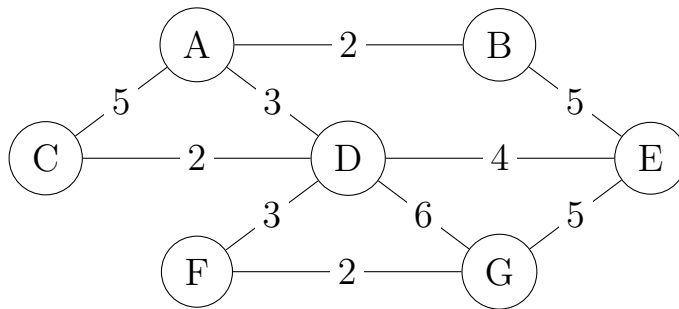


# Sheet Title

## Question Bank

NOTE: Remember that some graphs have many minimum spanning trees. So if your tree looks different to a solution you can check that the total of all edge weights on your tree is as small as the example tree.

1. For the following graph:



- a) Find the shortest path from C to G.
- b) Find the shortest path from F to B.
- c) Draw a minimum spanning tree.

## Answers

1. a)  $C \rightarrow D \rightarrow F \rightarrow G$ , Weight of 7

b)  $F \rightarrow D \rightarrow A \rightarrow B$ , Weight of 8

