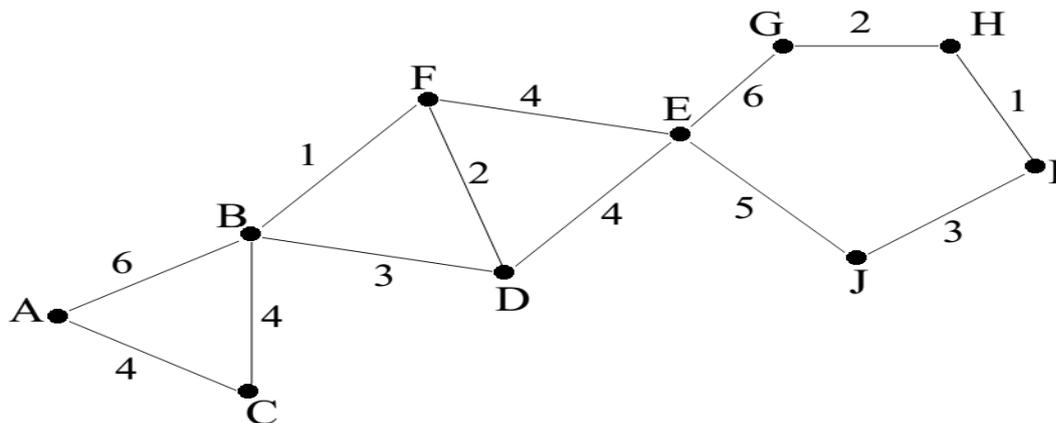


## *Shortest Path*

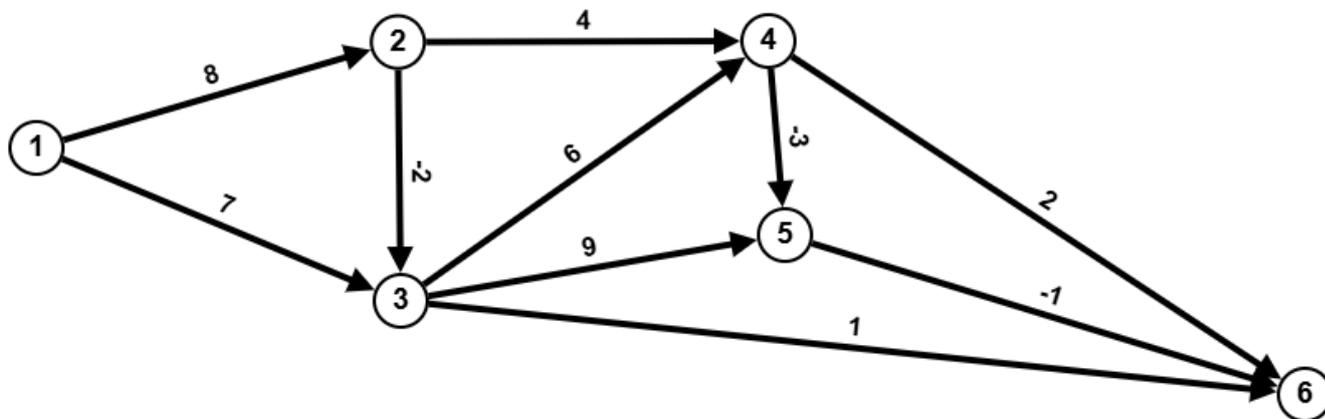
### Exercise 1:

- Find the shortest path between vertex A and I in the given graph.



### Exercise 2:

- Find the shortest path between vertex 1 and 6 in the given graph.



### Exercise 3:

- Explain why edges with negative weights might cause problems in finding a shortest path in a graph.