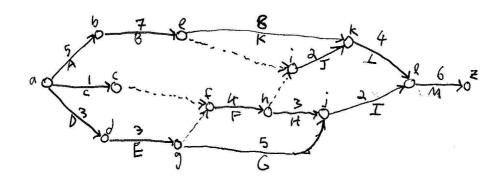
Solutions to Chapter 7 Exercises

7.2 a, e, h, z length= 7

7.5 a, c, d, j, h, l, z length= 68



7.7 1.

- 2. A, B, K, L, M length = 30

- **7.11** 1. The set of all edges incident with a given vertex is a cutset of size n-1, hence the edge-connectivity of K_n is at most n-1.
 - 2. The edge-connectivity is no greater than the smallest degree of a vertex in the graph.
- **7.20** 1. 3
 - 2. 2,2
 - 3. for example, vertices $\{x, y, z\}$ edges $\{xy, xy, xy, yz, yz, yz\}$
- **7.30** value= 25