# A 7 Written Problems

1. Depth-first traversal:

$$a \to b \to d \to c \to e \to g \to i \to h \to f$$

2. Breadth-first traversal:

$$a \to b \to c \to d \to e \to f \to g \to h \to i$$

3. Quotient Graph:

$$\{a, c, f\}$$

$$\{a, b, d\} \qquad \{g, i, h\}$$

$$\{h, i\} \rule{1cm}{0.4pt} \{g, i\}$$