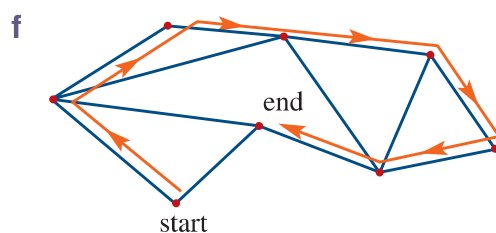
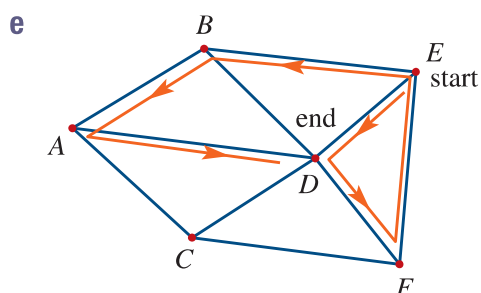
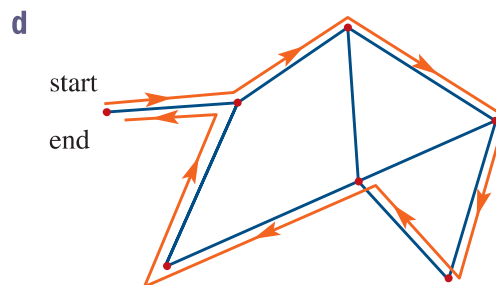
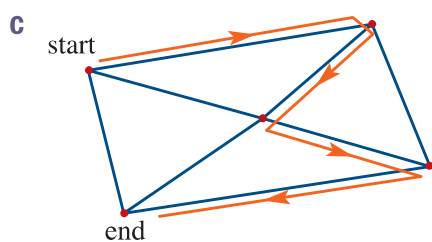
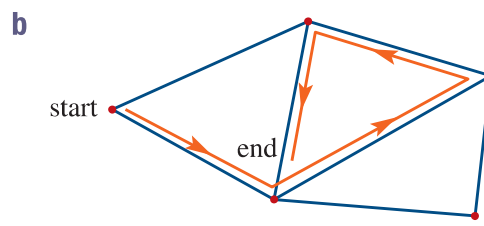
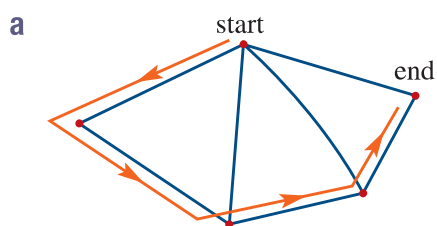


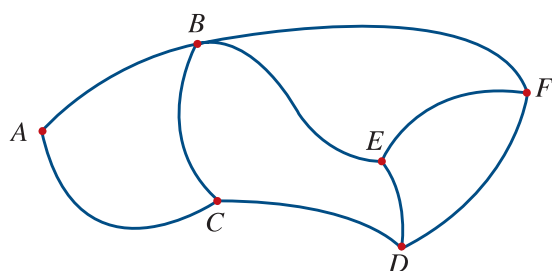
Exercise 2B

LEVEL 1

Example 2 1 Identify the walk in each of the graphs below as a trail, path, circuit or walk only.



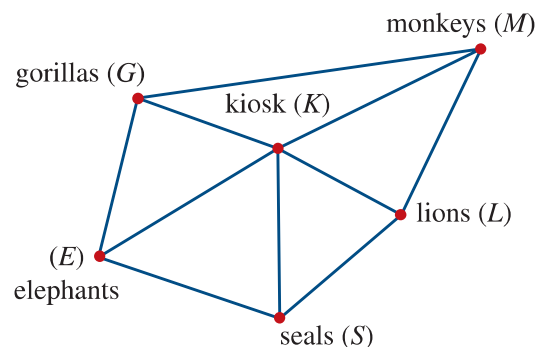
2 Using the graph below, identify the walks below as a trail, path, circuit, cycle or walk only.



- a** $A-B-E-B-F$
b $B-C-D-E-B$
c $C-D-E-F-B-A$
d $A-B-E-F-B-E-D$
e $E-F-D-C-B$
f $C-B-E-F-D-E-B-C-A$

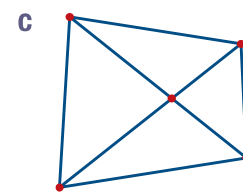
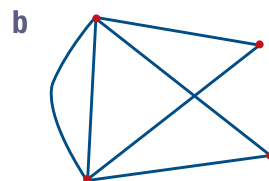
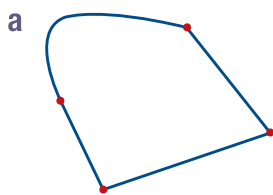
LEVEL 2

- 3 The network diagram below shows the pathway linking five animal enclosures in a zoo to each other and to the kiosk.
- a Which of the following represents a trail?
- $S-L-K-M-K$
 - $G-K-L-S-E-K-M$
 - $E-K-L-K$
- b Which of the following represents a path?
- $K-E-G-M-L$
 - $E-K-L-M$
 - $K-S-E-K-G-M$
- c Which of the following represents a circuit?
- $K-E-G-M-K-L-K$
 - $E-S-K-L-M-K-E$
 - $K-S-E-K-G-K$
- d Which of the following represents a cycle?
- $K-E-G-K$
 - $G-K-M-L-K-G$
 - $L-S-E-K-L$
- 4 Identify the following sequence of vertices as either a trail or cycle.
- a $C-B-E-A-F-E-G-D$ b $D-E-A-F-C-B-D$



LEVEL 3

- 5 For each graph:
- Identify whether it is traversable
 - If it is traversable, identify a circuit including every edge.



- 6 For each graph:
- Identify whether it is traversable
 - If it is traversable, identify a trail including every edge.

