

Euler Circuits and Paths Review

Answer the questions below.

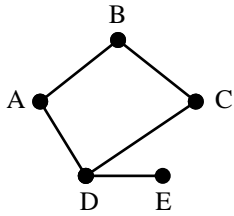


Figure 1

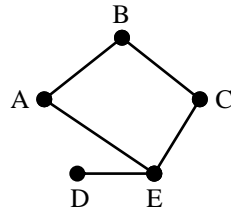


Figure 2

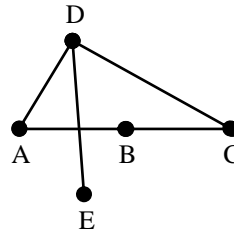


Figure 3

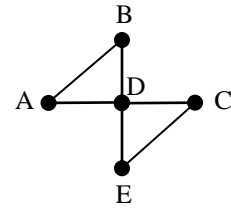


Figure 4

- Each of the figures above has the same vertex set. [A] True [B] False
- What is the edge set for the graph in Figure 1?

[A] {AB, AD, BD, CD, CE, DE}	[B] {AB, AE, BC, CE, DE}
[C] {AB, AD, BC, CD, DE }	[D] none of these
- What is the edge set for the graph in Figure 3?

[A] {AB, AD, BD, CD, CE, DE}	[B] {AB, AE, BC, CE, DE}
[C] {AB, AD, BC, CD, DE }	[D] none of these
- Which figures represent the same graph?

[A] Figures 1 and 2	[B] Figures 1 and 3	[C] Figures 3 and 4
[D] All of the graphs are the same	[E] None of the graphs are the same	
- Which of the graphs has an Euler Path?

[A] Figures 1 and 2	[B] Figures 3 and 4	[C] Figure 4 only
[D] Figures 1, 2 and 3	[E] None of the graphs have an Euler Path	
- Which of the graphs has on Euler Circuit?

[A] Figures 1 and 2	[B] Figures 3 and 4	[C] Figure 4 only
[D] Figures 1, 2 and 3	[E] None of the graphs have an Euler Circuit	