

GRAPH HANDOUT 1

The following figures are all **graphs**. A graph is called **traversable** if all of the edges can be traced without lifting your pen from the paper and without going over any edge more than one time. Determine which of the following graphs are traversable and record your information on Graph Handout 2. **NOTE:** Some graphs that are traversable may not seem so at first. For instance, with *figure 2* if you begin at the lower left-hand vertex, you cannot traverse the graph, but this does not mean it is not traversable. If you begin at the upper left-hand vertex, you can easily traverse this graph. Before stating a graph is not traversable, make many attempts starting at different points, taking different turning until you are fully convinced it is not traversable. Compare with others around you to see if they agree.

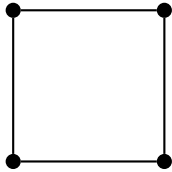


figure 1

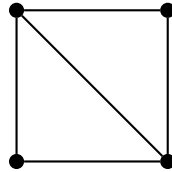


figure 2

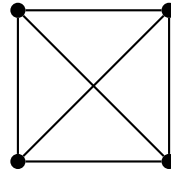


figure 3

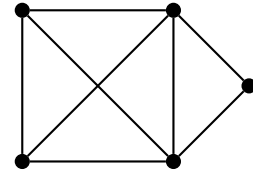


figure 4

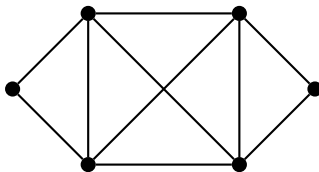


figure 5

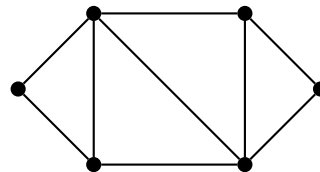


figure 6

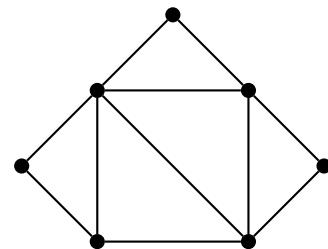


figure 7

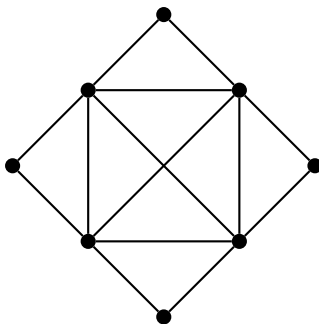


figure 8

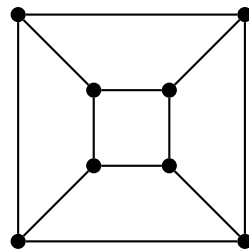


figure 9

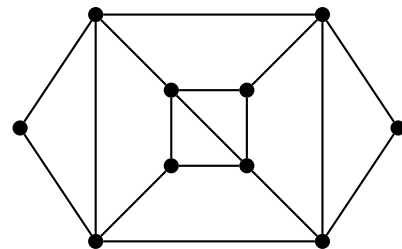


figure 10

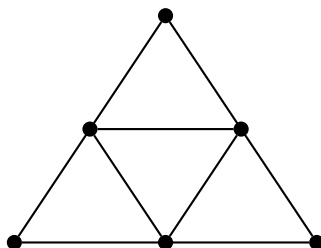


figure 11

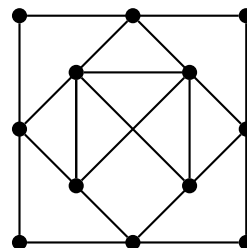


figure 12