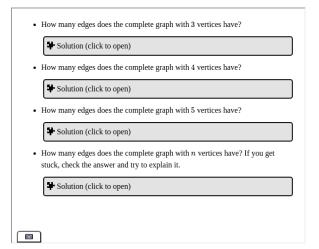
1 Complete Graphs

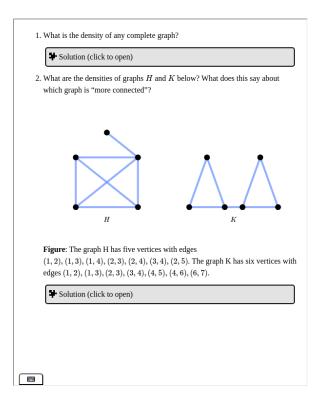
As a group, answer the following questions:





2 Graph Densities

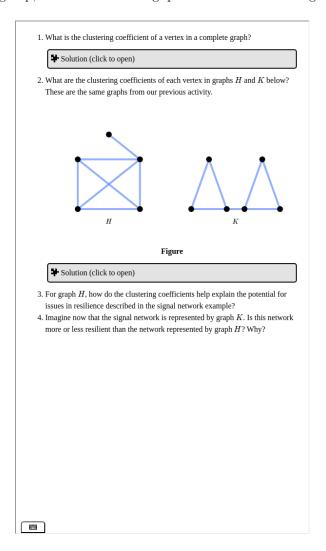
As a group, answer the following questions about graph densities:





3 Clustering Coefficients

As a group, answer the following questions about clustering coefficients:





4 Connectivity

As a group, answer the following questions regarding connectivity.

What is the edge connectivity of graphs *H* and *K* from the previous examples?
Solution (click to open)
In the signal network example, how is the interpretation of edge connectivity different from vertex connectivity?
Do you think it is possible for the vertex connectivity to be different from the edge connectivity for a graph? If not, explain why. If so, sketch an example of a graph where this is true.

