Properties of graphs



Figure : Graph with 6 vertices, public domain figure taken from https://en.wikipedia.org/wiki/Graph_(discrete_mathematics)

A graph is simple if it has no self-loops or parallel edges. The degree of a node v, denoted deg(v), is the number of edges incident with it.

deg(1) = 2deg(2) = 3deg(3) = 2deg(4) = 3deg(5) = 3deg(6) = 1

The number of nodes of odd degree is 4.