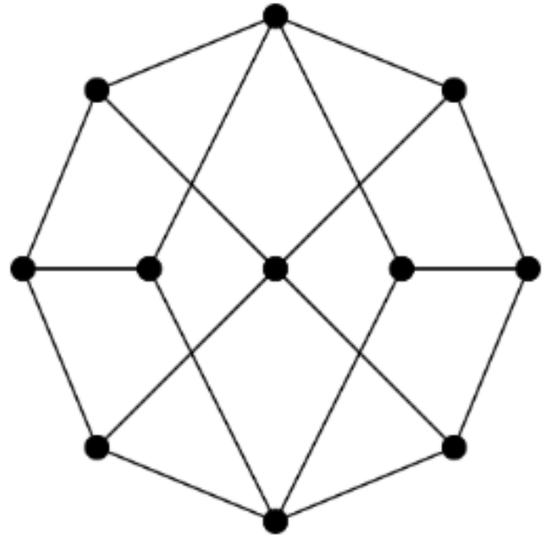
MATC44 - Practice Problem Set 5

These problems are not for credit and should not be handed in. While working through these problems, be sure to provide ample justification (e.g., a proof, logical argument or counter-example)!

Q1. Consider the graph G drawn below.



(a) Does G have a Hamilton path?
(b) Determine $\alpha(G)$.
(c) Let S be a maximal independent set of G. What is the minimum size of S?