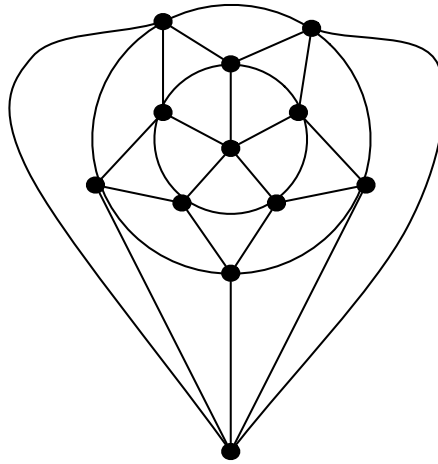


► **Problem 13.1-18 (b)**

Find a planar graph each of whose vertices has degree at least 5.

Solution. The planar graph shown below is isomorphic to the graph of the icosahedron (see Exercise 13, Section 10.2), has twelve vertices, each of degree 5.



□