

HOMEWORK 15
DISCRETE MATHEMATICS II
DUE 04-01

- (1) Draw a graph that has six total vertices:
- one vertex of degree 1;
 - two vertices of degree 2; and
 - three vertices of degree 3.
- **Seven** book problems: #10.1.13, 27; #10.2.1, 4, 7, 10, 12. An *isolated* vertex is one that is touched by no edges (degree 0). A *pendant* vertex is one that is touched by exactly one edge (degree 1). See p. 652.