Real Quiz 2

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1.

(i) (2 points) Show that there are exactly $2^{n(n-1)/2}$ labeled simple graphs on n vertices.

(ii) (2 points) How many of these have exactly m edges?

2. (4 points) Draw at least four (unlabeled) simple cubic graphs with at most 8 vertices.