Real Quiz 5

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. (a) (2 point): Draw all the spannng trees of the cycle gtaph C_4, whose edges are $\{\{1,2\}, \{2,3\}, \{3,4\}, \{1,4\}\}$.

(b) (2 point): How many spanning trees does the cycle graph C_n have? EXPLAIN!

2. (a) (4 points) Using the known fact that a tree has at least one endpoint, prove that it must have at least **two** endpoint.