

Real Quiz 10

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. (8 points) Let G be the graph whose set of vertices is $\{1, 2, 3, 4\}$ and whose set of edges is

$$\{\{1, 2\}, \{2, 3\}, \{3, 4\}, \{1, 4\}, \{1, 3\}\} \quad .$$

In how many ways can you color it with five colors?