Problems   Name:_____

Rainbow Logic

Data: This color square contains three red, three blue, and three green tiles.
Tiles of the same color must be touching at least one full side
(must be contiguous).

Information is given about the tiles in the first row and the third
column. Complete as much as you can of this puzzle.

Figure 1: Color Square

1. What color tile must be in the upper right corner? Why?

2. Can you complete the puzzle? Is one answer possible or many answers? Explain.

3. If there are many possible answers, draw them below. (Remember, they must be consistent with the data.)
   If there is only one possible answer, how could you change the initial conditions in order make more than one
   answer possible? (Give an example).