Coloring Math Maps
by David Pleacher

In Figure 1, only two colors are needed in order to distinguish the center region from the region around it.
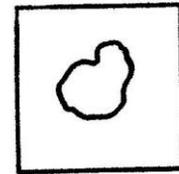

Figure 1

How many colors are needed to distinguish the regions in figure 2? _____ (we want the least number of colors needed)
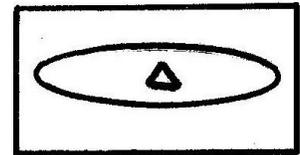

Figure 2

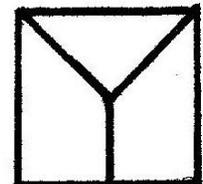How many colors are needed to distinguish the regions in figure 3? _____

Figure 3
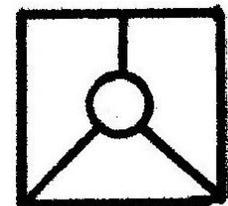
Figure 4 needs 4 colors for telling the regions apart.

Use colored pencils or crayons, or simply numbers 1, 2, 3, … and fill in the areas of the following maps so that no two regions of like colors touch.

The object is to use the least number of colors so that adjacent regions (those sharing some common boundary line) are colored differently. Good Luck!
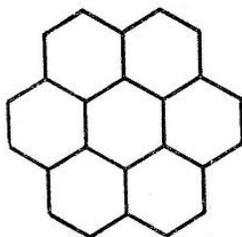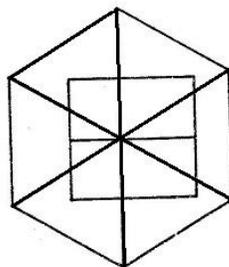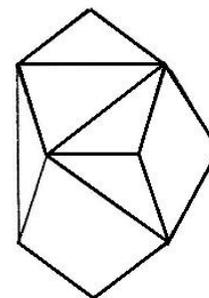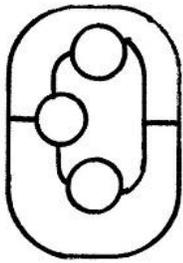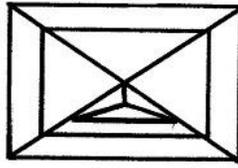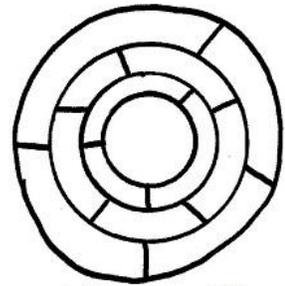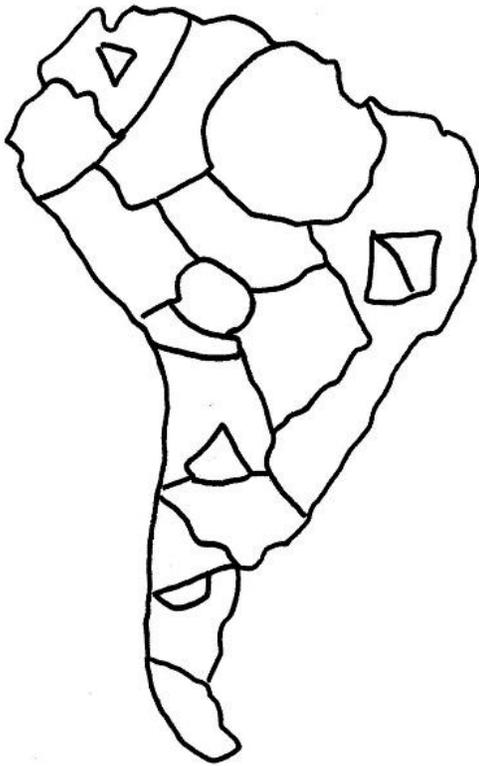

Figure 4

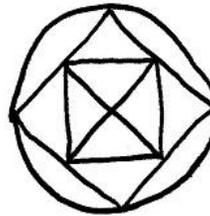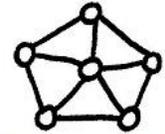Figure 5

Figure 6

Figure 7
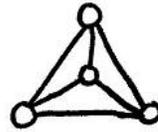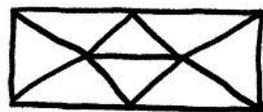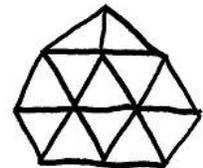
Figure 8

Figure 9

Figure 10
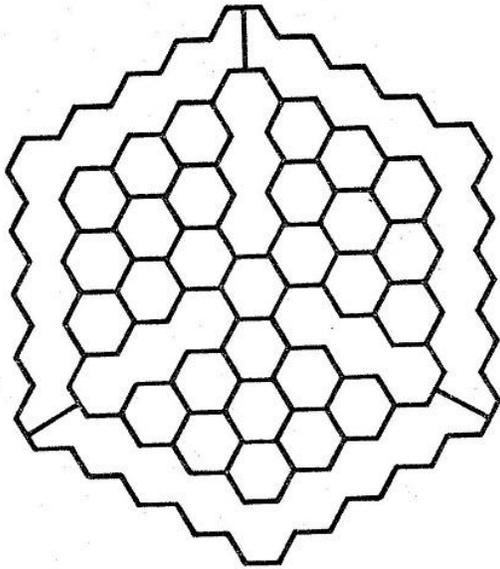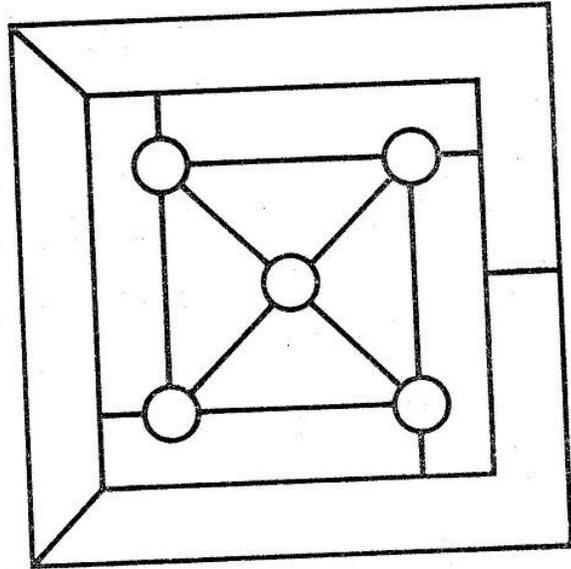

Figure 11

Figure 12

Figure 13

Figure 14

Figure 15

Figure 16

Figure 17

Figure 18

Figure 19

Figure 20