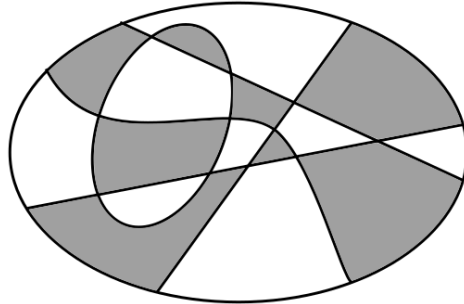


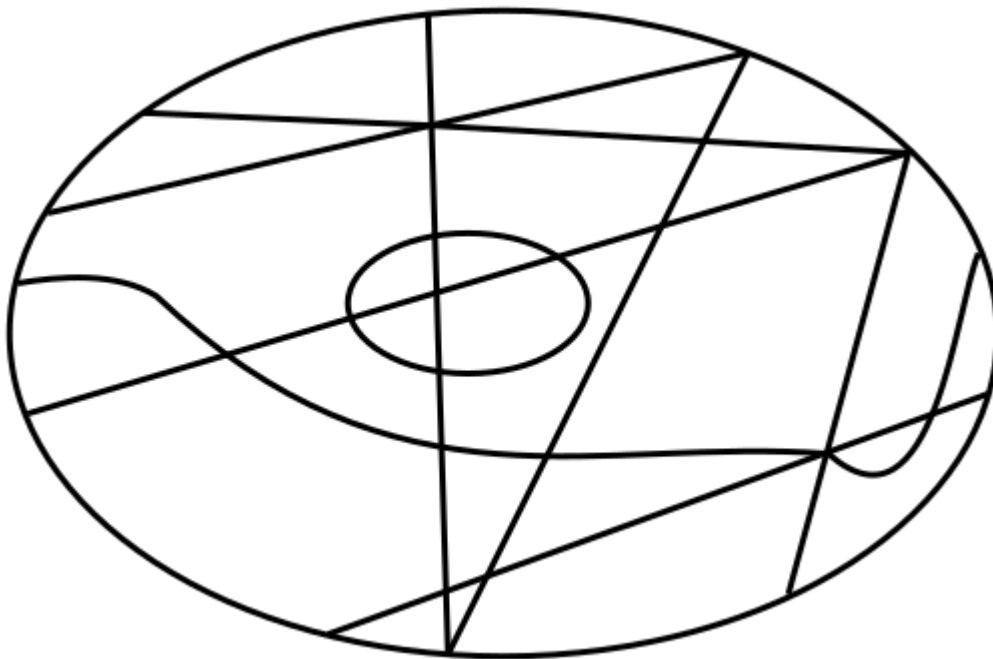
# Puzzle of the Week

## Map Coloring with 2 Colors – 2

Map makers color maps so regions sharing a border have different colors. Maps that have an even number of lines going out from each interior intersection point can always be colored using 2 colors. Here is an example.



**THE CHALLENGE:** This more complicated map has an even number of lines going out from each interior intersection point. Color it using just two colors.



**EXPLORATION:** Create a simple map with an interior intersection point that has an odd number of lines going out from it. Why is it impossible to color your map with just 2 colors?

