**DAY 4: Map Coloring**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Convert the graphs below into maps.



 

1. Color yours maps from 1 and find their chromatic number.

Both graphs have a chromatic number of 3.

1. Color the maps below and find their chromatic number.



The first map has a chromatic number of 3 and the second has a chromatic number of 2.

4. Convert the maps from 3 into graphs.



5. Investigate finding a map which has a chromatic number of 5.

 Impossible (never need more than 4)