

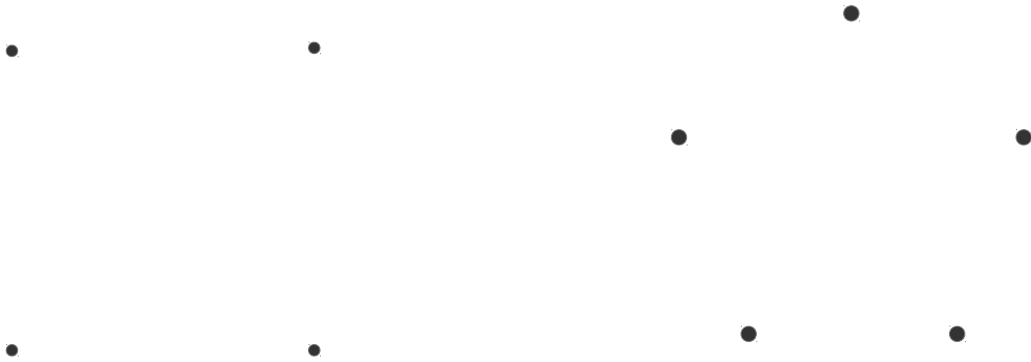
Warmup Exercises

Exercise 1. Come up with your own graph. Make sure it has at least 5 vertices and 4 edges

Exercise 2. Come up with a map of 4 states that requires *three* colors in order to be colored so that no adjacent states share the same color.

Exercise 3. Draw a graph representation of your four-state map above.

Exercise 4. Can you draw a graph with 4 vertices so each vertex is connected to each other vertex and with the property that no edges intersect? How about 5 vertices?



Exercise 5. Draw a map that corresponds to each of your graphs above.