**DAY 5: Vertex Coloring & Scheduling** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Correctly color the vertices of the graphs below.



1. How can we schedule classes so that each student can take the courses that they need?

|  |  |
| --- | --- |
| Student | Classes Needed |
| April | Math III, PE, and Literature |
| John | Math III, World History, and Literature |
| Faith | World History, Literature, and Chemistry |
| Susan | Chemistry, World History, and Math III |
| Robert | Math III, Literature, and Art |

Create a graph that represents the table above and then solve the scheduling dilemma.