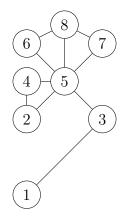
COMPUTER SCIENCE 20, SPRING 2014

Module #12 (Graph Coloring) Author: Tawheed Abdul-Raheem

1. Find a four coloring for the graph below. Find a three coloring, or explain why no three coloring can exist. Find a two coloring, or explain why no two coloring can exist.



Solution: A two coloring would not be able to exist because we have a triangle in our graph.