**DAY 3: Weighted Graphs** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Create a scenario for the weighted graph above. Make sure that you have stated what the vertices, edges, and weights represent.
2. Create an algorithm for the shortest and longest path that you can find for the graph above.
3. How much longer is the longest path than the shortest path?
4. Which path will you need for your scenario above?