Walk: an alternating sequence of vertices and edges
ex: Portland, SF, LA, Dallas, Denver, SF, Portland, Seattle

Path: a walk with no repeated edges
ex: Portland, SF, LA, Dallas, Denver, SF

Simple path: a path with no repeated vertices
ex: Portland, SF, LA, Dallas, Denver

Closed Walk: a walk that starts and ends on the same vertex
ex: Portland, SF, LA, Dallas, Denver, SF, Portland

Circuit: a path that starts and ends on the same vertex
ex: Portland, SF, Denver, Chicago, Atlanta, Dallas, Denver, Seattle, Portland

Cycle: a simple path that starts and ends on the same vertex
ex: Denver, Dallas, Atlanta, Chicago, Denver

Degree: the number of edges incident to a vertex (loops counted twice)
Max Degree Vertex: Denver \( \rightarrow \) \( \deg(Denver) = 4 \)
Min Degree Vertex: Philadelphia \( \rightarrow \) \( \deg(Philadelphia) = 1 \)