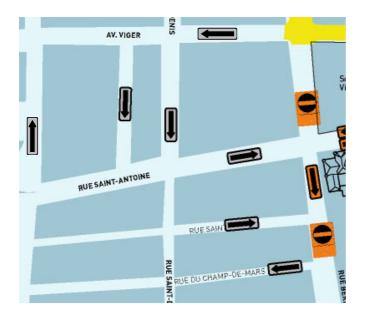
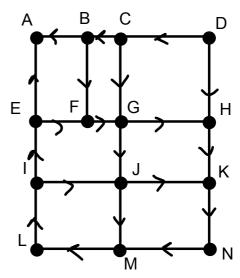
TYPES OF GRAPHS

Goal:

- to become familiar with different types of graphs: trees, directed graphs and weighted graphs

New York and Montreal are well known for their one-way streets.



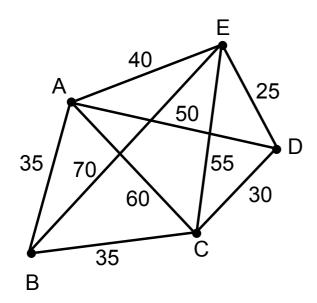


Describe the path from J to H.

JML IEF SH

A *directed graph* is a graph where each edge has a specified direction.

Amazon is delivering packages to 4 customers.



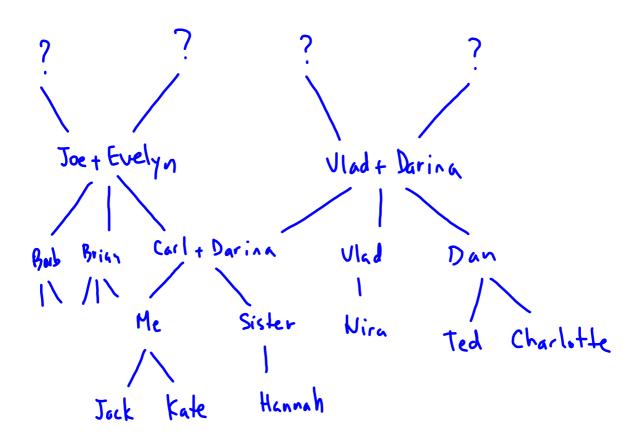
Each edge has a value.

Value can represent distance,
time, cost,....

What is the best route to take?

A weighted graph is a graph that has a numerical value associated with each edge.

Draw your family tree.



A *tree* is a type of graph. A *tree* is a *connected graph* that <u>does</u> <u>not</u> contain any *simple circuits*.