A graph is made of
- vertices
- edges
Who knows who?

- Each person is represented by a vertex
- When two people know each other, we draw an edge between them
Questions

- Can you tell how many people someone knows from the graph?
- What would a famous person look like on the graph?
- Does the graph give clues to how information might travel amongst the group?
Goal: Make realistic graphs using simple rules, and study properties.

- Add vertices one at a time
- Add random edges—more likely to attach to vertices with many edges

Questions of interest:

- how many nodes are there with a certain number of edges?
- what is the average path length between nodes?
- how clustered is the graph?