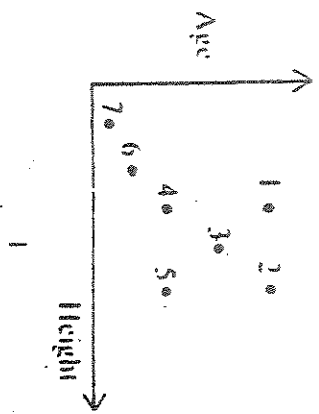
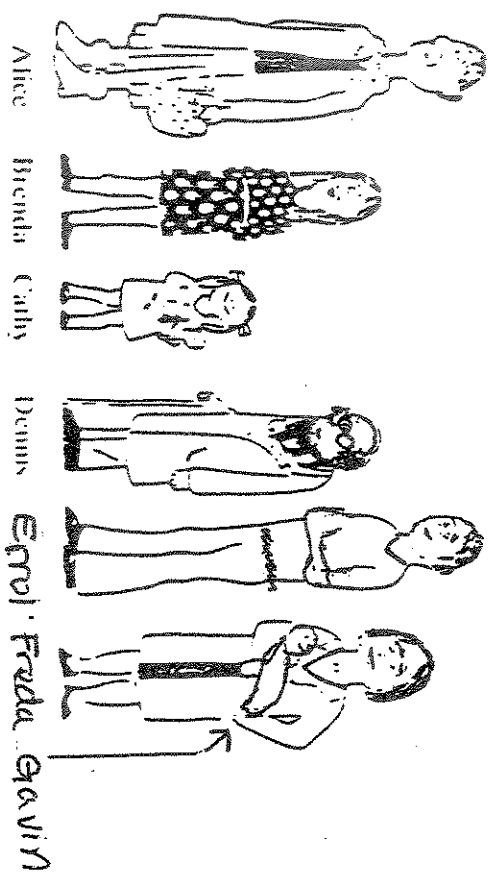
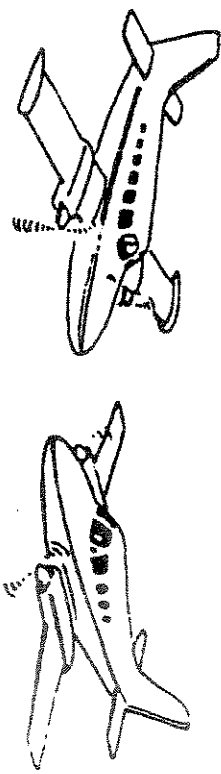


1. The Bus Stop Queue

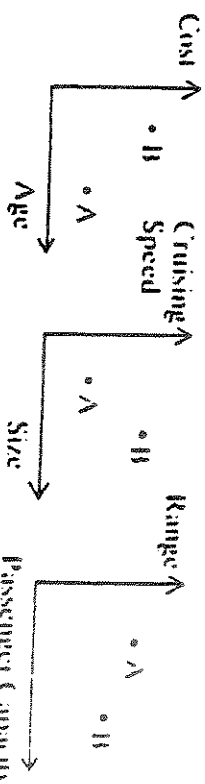
Who is represented by each point on the scattergraph, below?



2. Two Aircraft



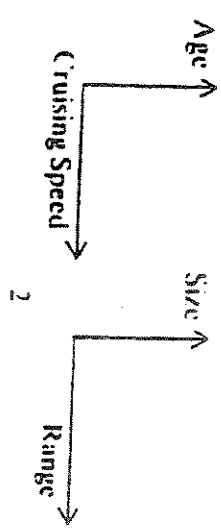
The following quick sketch graphs describe two light aircraft, A and B: (note: the graphs have *not* been drawn accurately)

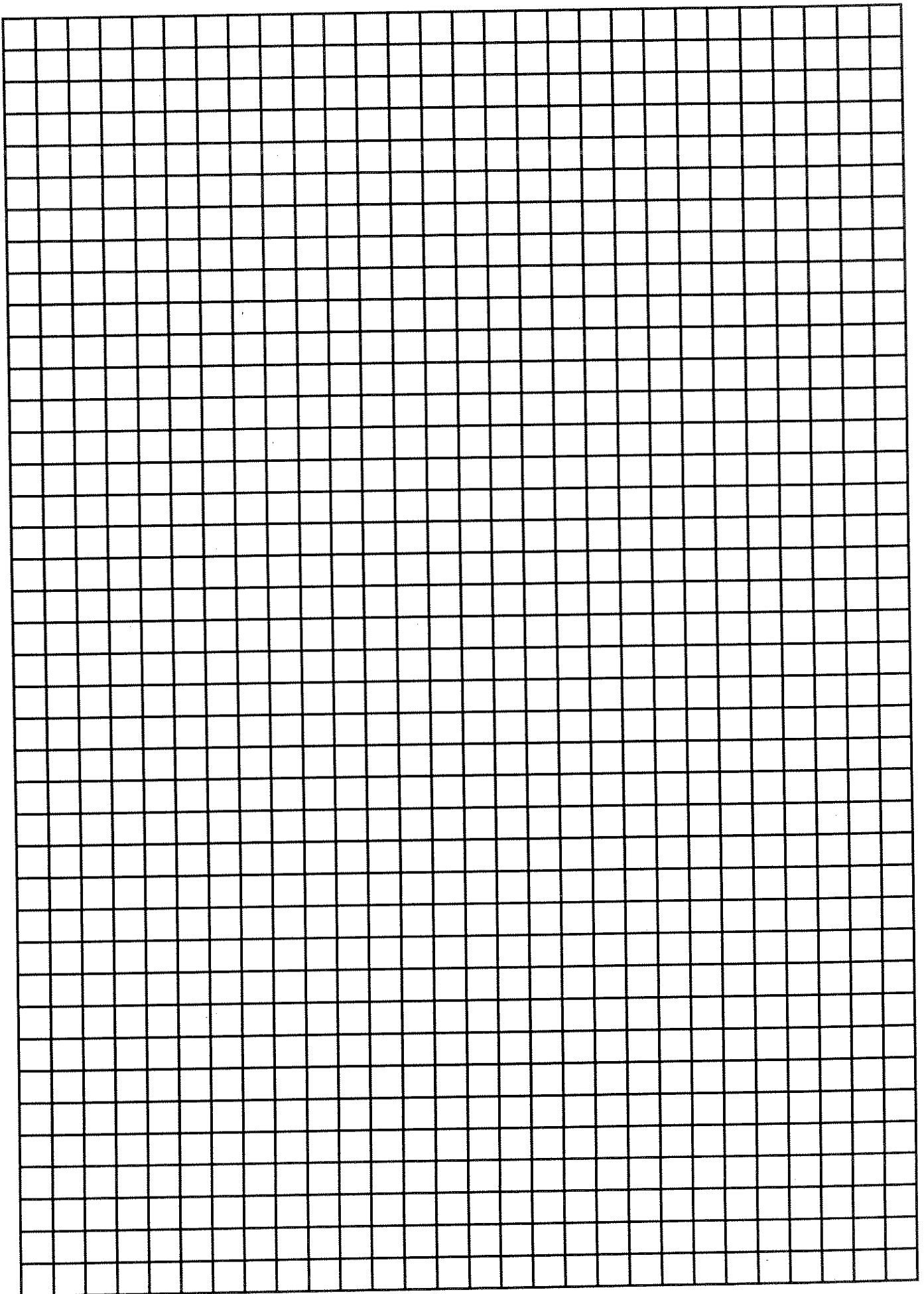


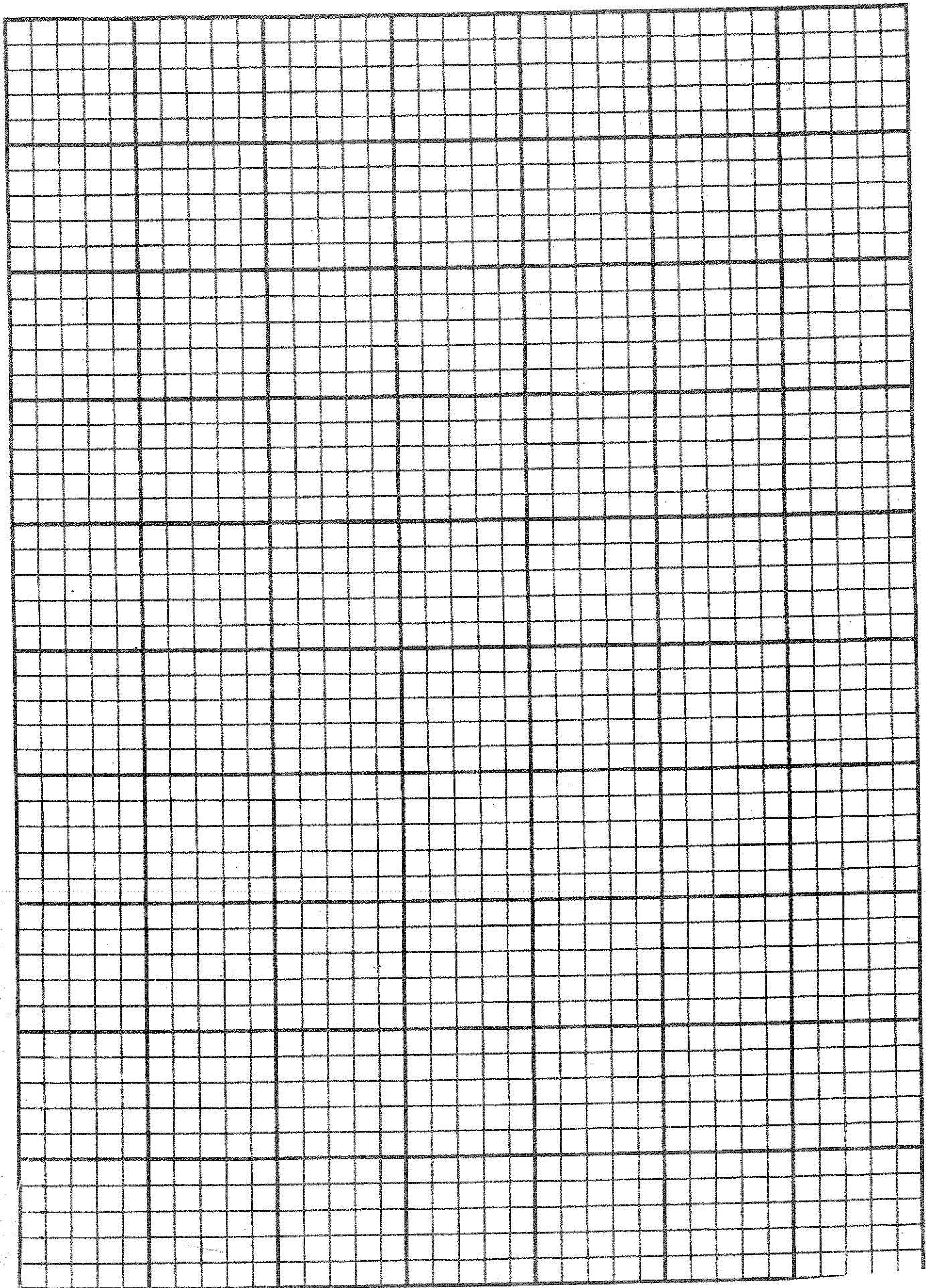
The first graph shows that aircraft B is more expensive than aircraft A. What else does it say?

- Are the following statements true or false?
  - "The older aircraft is cheaper?"
  - "The faster aircraft is smaller?"
  - "The larger aircraft is older?"
  - "The cheaper aircraft carries fewer passengers?"

• Copy the graphs below. On each graph, mark and label two points to represent A and B.







## MATH 313 – REVIEW *chapter 12*

- Determine if two quantities are related
- Write sentences describing how two quantities are related
- Determine the type of relationship that exists (increasing/decreasing)
- Complete tables of data
- Write equations relating two quantities
- Graph the relationship between two quantities (with or without numbers)
- Determine if the relationship is linear
- Calculate the numerical value for slope of a linear relationship
- Describe in words what the slope indicates about the relationship
- Given a graph, describe the relationship between the quantities
- Match graphs with given conditions (candle problems)
- Relate the slope to an equation for the graph