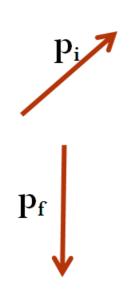
1) Draw a vector diagram that shows ∆p given:



- 2) A plane can fly with a maximum air speed of 125 m/s. There is a wind blowing due east at 38 m/s. The plane must reach an airport that is directly north of its present location.
- a) What heading should the plane fly?
- b) If the airport is 38 km away, how long will it take to reach it?

