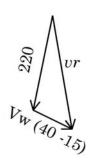
Activity 9 Applied component vectors

- 1.
- a) Plane velocity ~ -75.90 **i**+206.5**j** km/h
- b) Distance ~162.8 km
 Resultant speed ~194.8 km/h
 Time taken ~50 minutes

c) Pilot should set velocity vector of ~4.1i-220j km/h
Distance ~162.8 km

Resultant Speed ~239.1 km/h Time taken ~41 minutes



2. Resultant force is ≈ 166.3 N at an angle of ~ 150.8 ° anticlockwise from the positive x—axis.

