Chapter 1

Exercises

1. Sketch the three views of an airplane and show it’s axes systems.

2. Define, with neat sketches, the following terms.
   (a) flight path
   (b) flight velocity
   (c) body axes system
   (d) angle of attack
   (e) angle of slide slip and
   (f) bank angle.

3. “Jane’s All the World Aircraft” (Ref.1.15) is a book published annually and contains details of airplanes currently in production in various countries. Refer to this book and study the three view drawings, geometrical details and performance parameters of different types of airplanes.