**Worksheet 12**

1. Find line trough point (1,2,3) parallel to vector 
2. Find the line between points, (1,2,3) and (3,2,1).
3. Show that the lines and  are **Skew lines**, that is not parallel and not intersecting.
4. Find a plane determined by a normal and a point
5. Find a plane determined by points 
6. Find intersection between the line and the plane given by .
7. Find an angle between  and 
8. Find distance from the point to the plane