**9D Acute Angles Between Lines & Planes**

1. The lines and have vector equations:

and

Given that and intersect, find the size of the acute angle between the lines, to 1 decimal place.

r.n = k for equation of a plane notes

1. The plane passes through the point and is perpendicular to the vector .

Given that and , with O being the origin, find an equation of the plane:

1. In scalar product form
2. In Cartesian form
3. Find the acute angle between the line with equation:

and the plane with equation:

1. Find the acute angle between the planes with equations and .