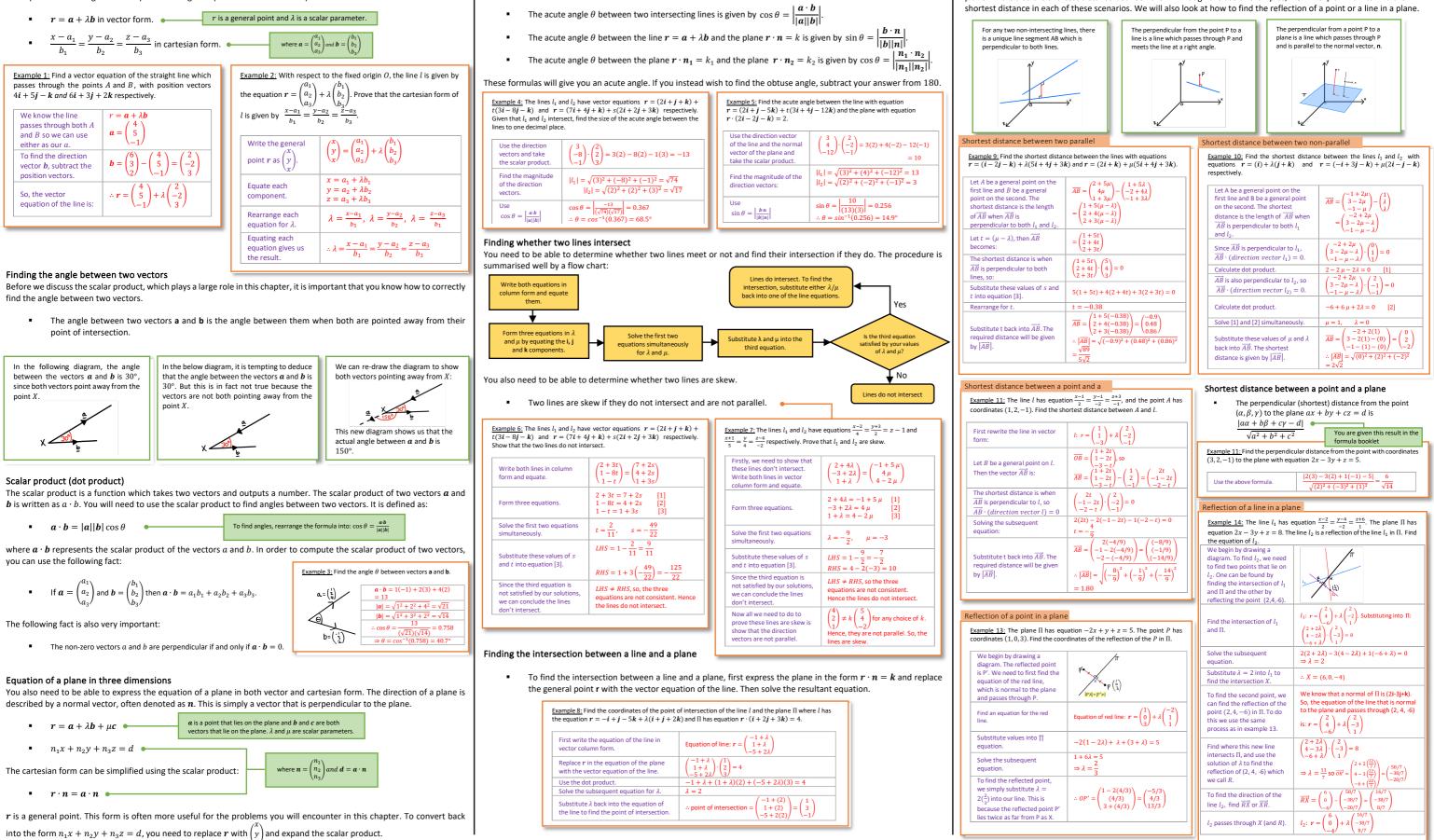
Vectors Cheat Sheet

Equation of a line in three dimensions

You need to know how to express the equation of a straight line in three dimensions in both vector and cartesian form. The equation of a straight line that passes through the position vector \boldsymbol{a} and is parallel to the vector \boldsymbol{b} is written as:



Finding angles between lines and planes

Edexcel Core Pure 1

Finding shortest distances and reflections

You need to be able to find the perpendicular distance between two lines, a point and a line as well as a point and a plane. This is also the shortest distance between them. Through the use of examples, we will explain how to find the