

(b) A second large sheet of glass lies on the other side of Π_1

This second sheet lies within a plane Π_2 which is modelled by the equation

$$4x + py + 5z = -5$$

Calculate the distance between the sheets of glass.

[2 marks]

(c) The point $A(7, 2, -3)$ is reflected in Π_1

Find the coordinates of the image of A after reflection in Π_1

[4 marks]
