****Worksheet D: Problems with straight lines

**Question 1**

Find the equation of the line parallel to *y* = 2*x* + 4 which passes through (4, 9).

**Question 2**

Find the equation of the line perpendicular to *y* = 2*x* − 3 which passes through (−2, 5).

**Question 3**

A line is perpendicular to the line $2y-x-8=0,$ and passes through the point with coordinate

(5, -7). Find the equation of the line.