Chapter 1

GCSE Revision - Straight Line Equations

1. Finding a gradient

    (a) What is the gradient of the line that goes through the points $(1, 6)$ and $(5, -3)$.

    (b) What is the gradient of the line $x + 2y = 1$?

2. Finding the equation of the line given two points.

    (a) Give the full equation of the line which goes through the points $(3, 5)$ and $(5, 11)$.

    (b) Give the full equation of the line which goes through the points $(5, 1)$ and $(8, -8)$.

    (c) Give the full equation of the line which has the gradient 4 and goes through the point $(0, 3)$.

    (d) Give the equation of the line which has gradient 4 and goes through the point $(3, 7)$.

3. Finding the equation of a line parallel or perpendicular to another.