**Lines and angles**

Gradient of line passing through points A(x1,y1) and B(x2,y2)

The angle between the lines

Parallel lines have equal slope and angles with x-axis

Perpendicular lines have gradient product -1

A normal is perp. Line

Example 2; Find perpendicular bisector of line segment passing through points (1,2) and (-3,4)

Midpoint = = (-1,3)

Original gradient m1 =

Perp. Gradient m2 = 2