

Coordinates and Straight Lines

(a)	(b)	(c)	(d)
Write down the gradient of the line with equation $y = -3x + 5$	Write down the y-intercept of the line with equation $y = 5x - 1$	Write down the gradient of the line with equation $y = \frac{2}{3}x - 1$	Write down the y-intercept of the line with equation $y = 6 - 5x$
(e)	(f)	(g)	(h)
Write down the equation of the line with gradient 4 and y-intercept $(0, -3)$	Find the midpoint of the line segment joining $(5, 2)$ and $(9, -2)$	Write down the equation of the line with y-intercept $(0, 7)$ and gradient $-\frac{1}{2}$	Find the equation of the line parallel to $y = 3x - 1$ that passes through $(0, 6)$
(i)	(j)	(k)	(l)
Find the midpoint of the line segment joining $(-4, 1)$ and $(-8, 5)$	Find the length of the line joining $(3, 1)$ and $(7, 4)$	Find the equation of the line parallel to $y = -\frac{3}{2}x$ that passes through $(0, 5)$	Find the length of the line joining $(-1, 3)$ and $(4, 12)$
(m)	(n)	(o)	(p)
Find the equation of the line with gradient 2 that passes through $(5, 3)$	Find the equation of the line parallel to $y = -3x$ that passes through $(2, 4)$	Find the equation of the line that passes through $(5, 4)$ and $(3, 10)$	Find the equation of the line that is perpendicular to $y = -2x + 1$ and passes through $(-3, 5)$