Equation of a Straight Line Revision

(a)

Write down the gradient and y-intercept of the straight line with equation $y = 5x - 2$

(b)

Write down the gradient and y-intercept of the straight line with equation $y = -\frac{1}{2}x + 7$

(c)

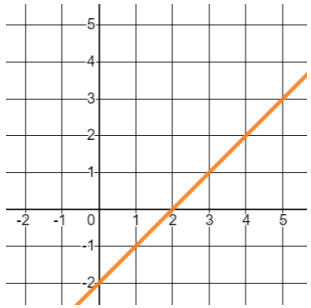
Write down the gradient and y-intercept of the straight line with equation $3y = 2x - 9$

(d)

Find the gradient of the line joining $(2, 5)$ and $(4, 11)$

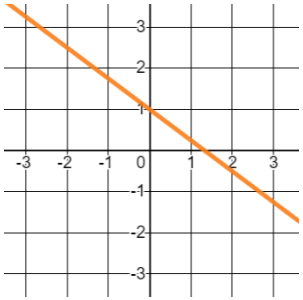
(e)

Find the equation of the line.



(f)

Find the equation of the line.



(g)

Write down the equation of the line that is parallel to $y = -4x - 9$ and passes through $(0, 2)$

(h)

Write down the equation of the line that is perpendicular to $y = -3x$ and passes through the point $(0, -5)$

(i)

Find the equation of the line that has a gradient of 2 and passes through $(4, 3)$

(j)

Find the equation of the line that is perpendicular to the line $2y = x - 8$ and passes through $(-1, 9)$

(k)

Find the equation of the line that passes through $(2, 9)$ and $(5, 3)$.