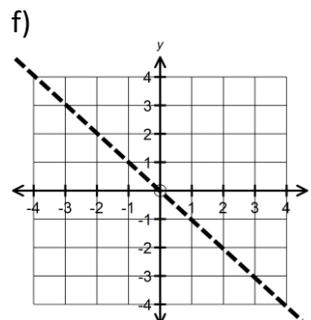
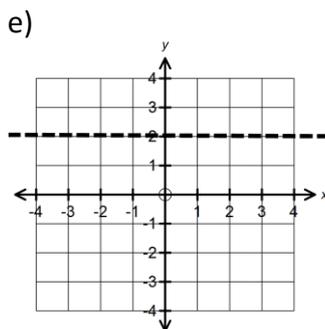
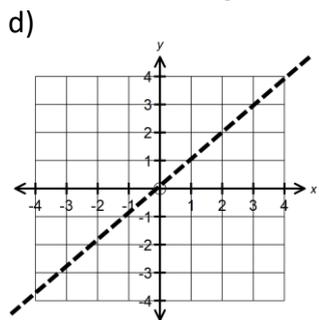
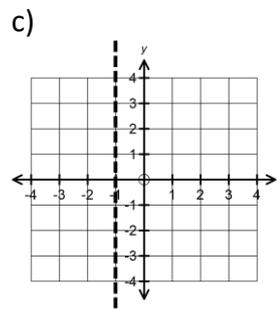
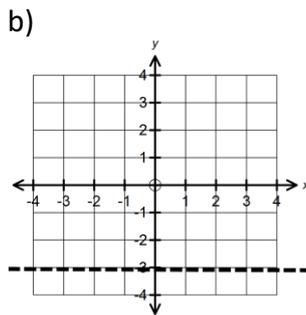
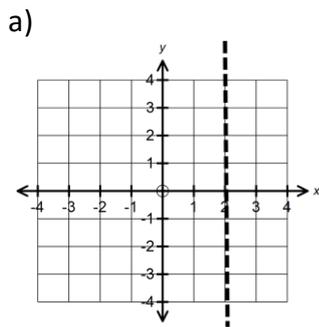


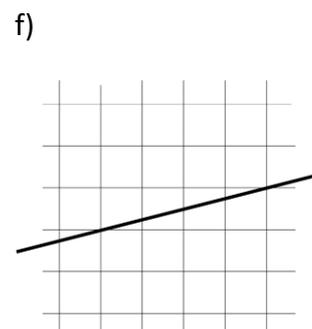
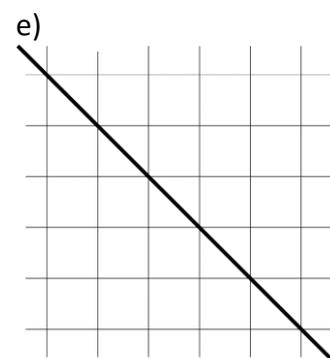
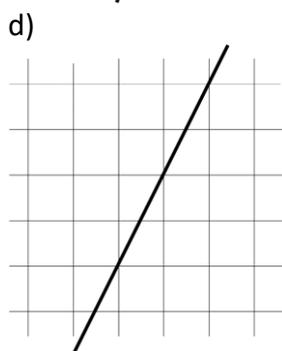
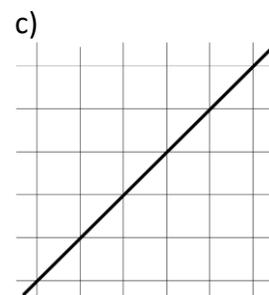
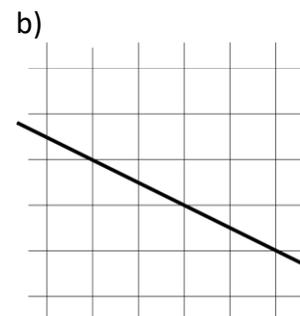
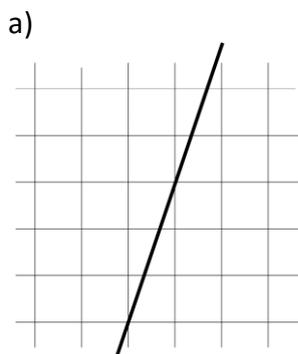
*I can.....*

**1** Write down the equations of the lines



★  
Recognise and plot graphs of the form  $x = a, y = b$  and  $y = \pm x$

**2** Write down the gradient of each line



★  
Work out the gradient of a straight line

**3** Calculate the gradient of the lines joining the pairs of points

a) (0, 2) and (3, 14)

b) (-1, 4) and (3, 12)

c) (1, 7) and (5, -1)

d) (3, 1) and (-1, 13)

e) (-2, -4) and (4, -10)

f) (-2, 3) and (-4, 2)

★★  
Find the gradient of a line joining two points

4	<p>For each graph write down</p> <p>i) the gradient</p> <p>ii) the y-axis intercept</p> <p>ii) the equation of the line (<math>y = mx + c</math>)</p> <p>a) </p> <p>b) </p> <p>c) </p> <p>d) </p> <p>e) </p> <p>f) </p>	<p>★★★</p> <p><i>Find the equation of a straight line plotted on a graph.</i></p>
5	<p>Write down the equations of lines with the following gradients passing through the given points.</p> <p>a) Gradient = 2 Passing through (4,7)</p> <p>b) Gradient = 3 Passing through (1,5)</p> <p>c) Gradient = -1 Passing through(4,-4)</p> <p>d) Gradient = <math>\frac{1}{2}</math> Passing through (2,6)</p> <p>e) Gradient = -2 Passing through (-5,0)</p> <p>f) Gradient = <math>-\frac{1}{2}</math> Passing through(-4,4)</p>	<p>★★★★</p> <p><i>Find the equation of a straight line given the gradient and a point on the graph</i></p>
6	<p>Find the equation of the lines joining each pair of points (<math>y = mx + c</math>)</p> <p>a) (0, 1) and (1, 3)</p> <p>b) (0, 3) and (2, 11)</p> <p>c) (0, 7) and (-1, 4)</p> <p>d) (0, -2) and (2, 4)</p> <p>e) (0, -1) and (-3, 8)</p> <p>f) (0, -4) and (-2, -10)</p>	<p>★★★★</p> <p><i>Find the equation of a line given 2 points (1).</i></p>
7	<p>Find the equation of a line parallel to the given line through the point stated.</p> <p>a) Parallel to <math>y = 4x + 3</math> Passing though (1,4)</p> <p>b) Parallel to <math>y = 2x - 4</math> Passing though (3,5)</p> <p>c) Parallel to <math>y = x - 3</math> Passing though (-1,4)</p> <p>d) Parallel to <math>y = 10 - x</math> Passing though (2,4)</p> <p>e) Parallel to <math>y = \frac{1}{2}x + 2</math> Passing though (4,8)</p> <p>f) Parallel to <math>y = 3 - 4x</math> Passing though (1,2)</p>	<p>★★★★</p> <p><i>Identify and find equations of parallel lines.</i></p>
8	<p>Find the equation of the lines joining each pair of points (<math>y = mx + c</math>)</p> <p>a) (4, 2) and (2, 8)</p> <p>b) (6, 1) and (4, 7)</p> <p>c) (-1, 3) and (1, -5)</p> <p>d) (4, -4) and (-2, 8)</p> <p>e) (2, 1) and (-1, 10)</p> <p>f) (1, -5) and (3, -4)</p>	<p>★★★★★</p> <p><i>Find the equation of a line given 2 points (2).</i></p>