Samples Equation of the line SOLUTIONS

- 1. Thus the equation of the line is y = 10x + c and we can substitute the coordinates of the point $(x_1, y_1) = (2, 4)$ into this equation to get the value for c. Hence $4 = 10 \times 2 + c$, so -16 = c.
 - Hence the equation of the line is y = 10x 16.
- 2. Thus the equation of the line is y=-8x+c and we can substitute the coordinates of the point $(x_1,y_1)=(10,5)$ into this equation to get the value for c. Hence $5=-8\times 10+c$, so 85=c.
 - Hence the equation of the line is y = -8x + 85.
- 3. Thus the equation of the line is y = -10x + c and we can substitute the coordinates of the point $(x_1, y_1) = (6, 9)$ into this equation to get the value for c. Hence $9 = -10 \times 6 + c$, so 69 = c.
 - Hence the equation of the line is y = -10x + 69.