

1) Find the equation of the line passing through(3,4) and (1,3)

2) Solve using the quadratic formula (and a calculator), $4x^2 - 5x - 9 = 0$

3) Factorise $8x^2 - 10x - 18$

4) Simplify $\frac{3x+1}{4} - \frac{2x-5}{6}$

5) Write down the first three terms of the sequence defined by: $x_1=5$, $x_{n+1}=-3x_n+2$