

A054 NS

Q1 a) $\begin{matrix} -1 & 0 & 1 & 3 \\ -1.5 & -1 & -0.5 & 0.5 \end{matrix}$

b) graph

c) 2.5-2.7

Q2 a) $\begin{matrix} -2 & -1 & 1 & 2 & 3 \\ 0 & -4 & -6 & -4 & 0 \end{matrix}$

b) graph

c) -1.5 to -1.7 and 2.5-2.7

Q3 graph

Q4 graph

Q5 graph

Q6 graph

Q7 graph

Q8 a) $\begin{matrix} -1 & 0 & 2 & 3 \\ -10 & -6 & 2 & 6 \end{matrix}$

b) graph

Q9 a) (6, -2)

b) (i) (2A) plotted

(ii) yes, $9 = 4(2)+1$

c) $x = -2$, vertical line through $x = -2$

Q10 a) $\begin{matrix} -3 & 0 & 2 & 3 \\ 2 & -4 & 2 & 8 \end{matrix}$

b) graph

c) $x = 1.4$, $x = -2.5$