

A054 Linear and quadratic graphs

① a) x -1 0 1 2 3 4
 y -10 -6 -2 2 6 10

b) graph

② a) x -3 -2 -1 0 1 2 3
 y 6 0 -4 6 -6 -4 0

b) graph

c) 2.5-2.7 and -1.5--1.7

③ graph

④ graph

⑤ graph

⑥ graph

⑦ graph

⑧ a) x -2 -1 0 1 2 3
 y -2 -1.5 -1 -0.5 0 0.5

b) graph

c) 2.5-2.7

⑨ a) $(6r-2)$

b) i) correct point plotted

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

c) graph

⑩ a) x -3 -2 -1 0 1 2 3
 y 2 -2 -4 -4 -2 2 8

b) graph

c) -2.6 and/ 1.6