M1.

$y = -x^2 + 5x - 2$

B1

[1]

M2.(a) Correct sketch

B1 for one correct step

B2

(b) Correct sketch

B1 for one correct step

B2

[4]

M3.(a) Correct graph passing through (0, 1), (90, 2), (180, 1), (270, 0) and (360, 1)

B1

(b) Correct graph passing through (0, 0), (90, 2), (180, 0), (270, −2) and (360, 0)

B1

[2]

M4.(a) Correct graph

Min point at (0, 5), shape maintained

B1

(b) Correct graph

Min point at (3, 0), shape maintained

B1

[2]

M5.(a) $y = x^2 + 2$

oe eg $y - 2 = x^2$

B1

(b) Same shape graph with vertex touching negative $x-$axis (within 1 mm) at any point > 2 mm from the origin

Allow any incorrect labelling

B1

[2]

M6.(a) Correct sketch

B1

(b) Correct sketch

ft their (a) transformed up

Labels not required

B1 ft

[2]