2 . (a) 0, 2, 5, 3

(b) g is increasing on (0, 3) since g' is positive there.

(c) Max. value = 7 at $x = 3$

(d) Min. value = 0 at $x = 0$

Explanation for d): Since from 0 to 3, area is positive 7, from 3 to 7, area is negative 5.

7 – 5 is positive 2, so the minimum has to be the starting point of 0 at x = 0