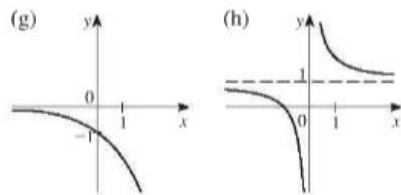
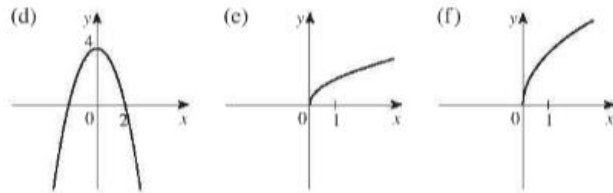
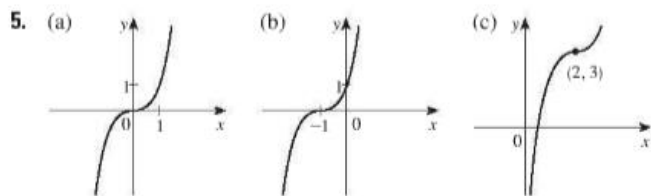


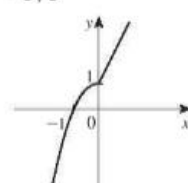
1. (a) -2 (b) 2.8
 (c) $-3, 1$ (d) $-2.5, 0.3$
 (e) $[-3, 3], [-2, 3]$

2. $12 + 6h + h^2$

3. (a) $(-\infty, -2) \cup (-2, 1) \cup (1, \infty)$
 (b) $(-\infty, \infty)$
 (c) $(-\infty, -1] \cup [1, 4]$

4. (a) Reflect about the x -axis
 (b) Stretch vertically by a factor of 2, then shift 1 unit downward
 (c) Shift 3 units to the right and 2 units upward



6. (a) $-3, 3$
 (b) 

7. (a) $(f \circ g)(x) = 4x^2 - 8x + 2$
 (b) $(g \circ f)(x) = 2x^2 + 4x - 5$
 (c) $(g \circ g \circ g)(x) = 8x - 21$