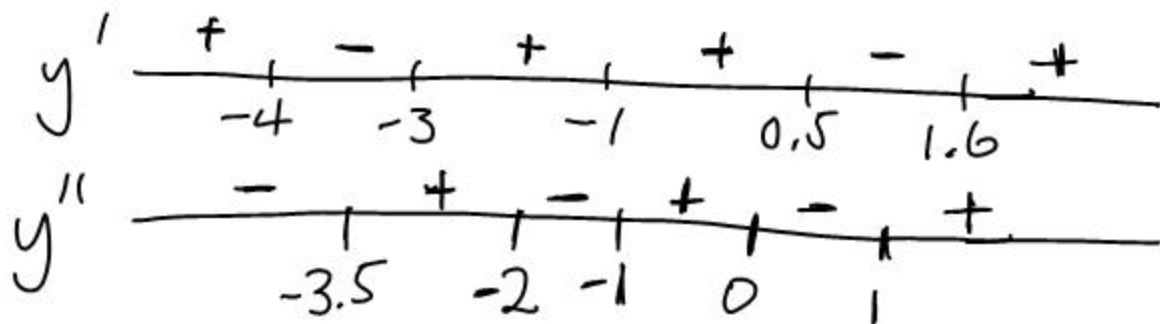


Set three

#2



- (#3) (a) $[1, \infty)$ (c) $x = 1$ (e) none
(b) none (d) nowhere

#5 (a) $[-4, 0] \cup [2, \infty)$

(b) $x = -4, x = 2$

(c) $x = 0$

(d) $(-\infty, -2.5] \cup [1, \infty)$

(e) $x = -2.5, x = 1$

#6 (a) $[-7, -5] \cup [5, 8]$

(b) $[-8, -7] \cup [3, 4]$

(c) $[-5, 1]$

(d) $[1, 3]$

(e) $x = 1$

(f) $x = -7, x = 5$

(g) $x = -5, x = 3$

(h) $[-8, -5] \cup [3, 8]$

(i) $[-6, 0] \cup [6, 8]$

(j) $x = 13$

(k) $f(3)$

(l) $f(1)$

(m) $f''(3) = 0$

(n) $f''(0) \approx -2$

$f''(6) > 0$

$f''(2) \approx -3/4$