3-0235 — 50 SHEETS — 5 SQUARES
3-0236 — 100 SHEETS — 5 SQUARES
3-0237 — 200 SHEETS — 5 SQUARES
3-0137 — 200 SHEETS — FILLER
COMET

1) Absolute min is over the entire domain of f while the relative min is when x is near c.

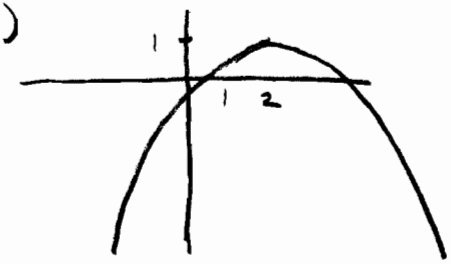
2a. Extreme Value Theorem
b. Closed Interval method

3) absolute max – s
absolute min – r
local max – c
local min – b and r
neither max or min – a and d

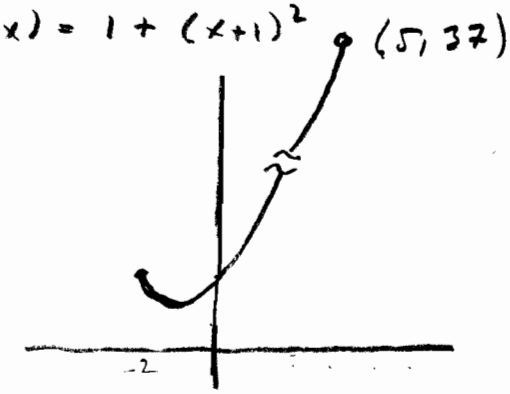
5) absolute max – $f(4)=5$
absolute min – None, because $f(7)$ is not defined
local max – $f(4)=5$
local min – $f(2)=2$, $f(1)=5$, $f(5)=5$

8)

11)



22) $f(x) = 1 + (x+1)^2$



29) $f(x) = 5x^2 + 4x$, Find critical numbers

$f'(x) = 10x + 4$

$f'(x) = 0$ $\quad 10x + 4 = 0$

$10x = -4$

$x = -2/5$

$f'(x)$ exist across entire domain,

$\therefore$ $\boxed{\text{critical numbers } x = -2/5}$

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