


May 19, 2014

Find all maximums and minimums.

Justify your answer.

cp	-1	2	5	
sign f'	+	-	-	+
behavior f	inc	dec	dec	inc

cp	-1	2	5	
sign f'	+	-	-	+
behavior f	inc	dec	dec	inc



max at $x = -1$ because $f'(x)$ changes
from positive to negative.

min at $x = 5$ because $f'(x)$ changes
from negative to positive

May 19

Students will verbally explain how to determine properties of the function, its derivative and its second derivative.

(using the words:
positive, negative, increasing, decreasing,
concave up, concave down, etc...)

Project is due
TOMORROW - TUESDAY
- MAY 20th

Set #20

Pg 222

#3 – 9 (odd – no calculator)

#11 – 19 (odd – calculator ok)

#30 – 58 (EOE)

critical points

Set #21

Pg 232 #19 – 52 (do two, skip three)

(after #31 you may use a

calculator to solve for your

critical points)

first derivative test for
extrema

Set #22

Pg 238 #25 – 38

(skip multiples of 3)

second derivative test for
extrema

Set #23

Pg 238 #1, 3 – 18

(multiples of 3), 20 – 23

second derivative test for
concavity