

May 21, 2014

Find all inflection points.
Justify your answer.

pip	-3	1	7	
sign f''	-	-	+	-
behavior f	cd	cd	cu	cd

inflection points at $x=1$ and 7
because the sign of $f''(x)$ changes

May 21

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...)

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