

12-20-05 TUES.

P.204 (14) a) $x < -53$; $.65 < x < 2.88$

b) $-.53 < x < .65$; $x > 2.88$

c) $0 < x < 2$ d) $x < 0$; $x > 2$

e) LOCAL MAX: $(-53, 2.45)$; $(2.88, 16.23)$

LOCAL MIN: $(.65, -.68)$

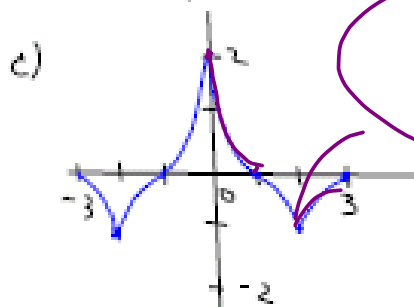
f) $(0, 1)$; $(2, 9)$

(1) $\frac{AP \ B^4}{(85) \ C}$

(34) a) ABS MAX @ $(0, 2)$

ABS. MIN @ $(2, -1)$ & $(-2, -1)$

b) $(1, 0)$; $(-1, 0)$



d) $f(3) = f(-3)$

EVEN

1 POSSIBLE ANSWER

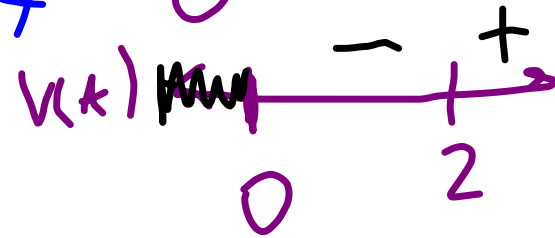
(42) a) $x = -2, 4, 12$

b) $x = 1.5, 5.2, 8, 11, 13$

P. 205 (37) $\Delta(t) = t^2 - 4t + 3$

a) vel. b) acc. c) DESCRIBE MOTION $t \geq 0$

a) $v(t) = \Delta'(t) = 2t - 4 = 0$

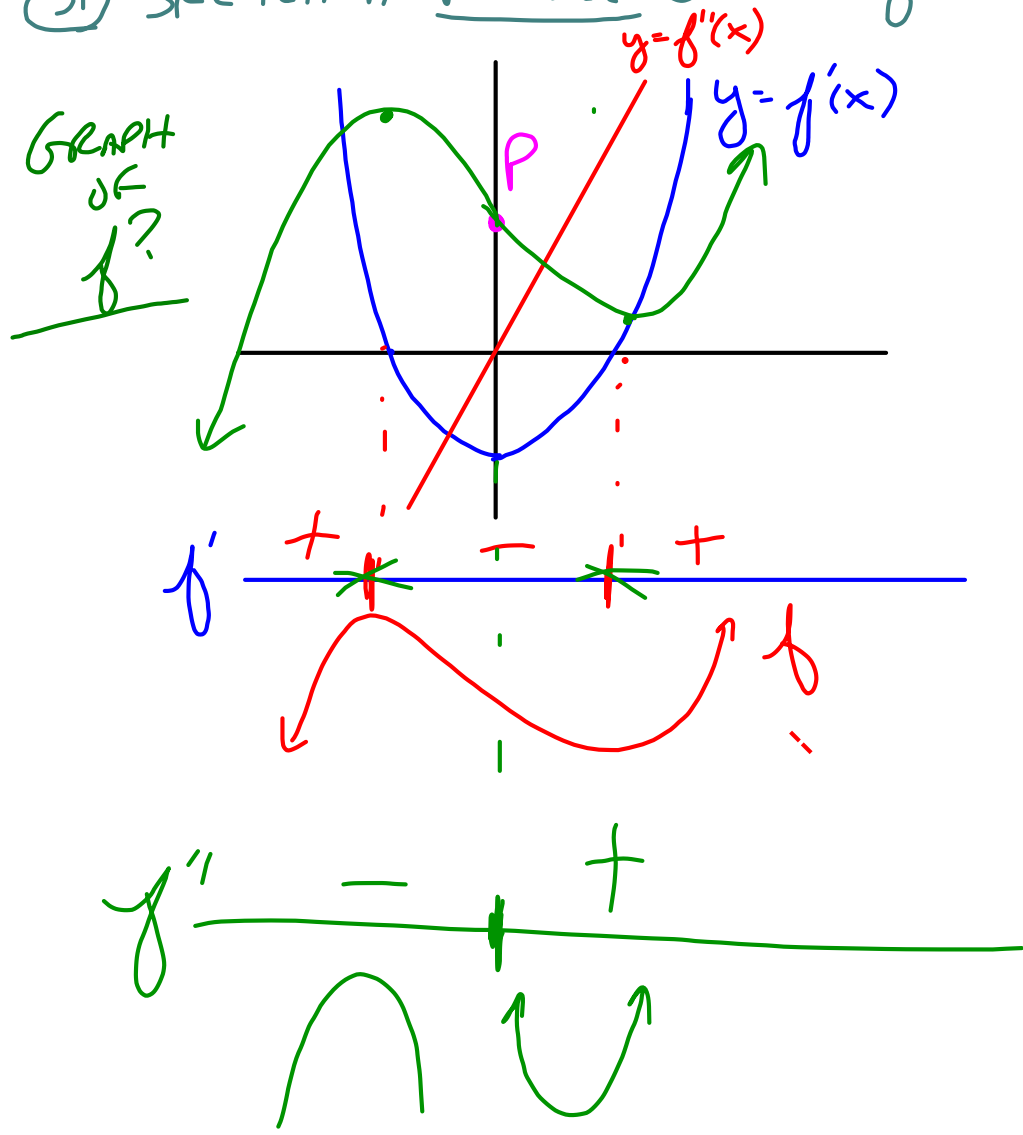


b) $a(t) = 2 = \Delta''(t)$

c) PARTICLE STARTS AT POSITION 3

WHEN $t=0$. IT MOVES TO THE LEFT
UNTIL $t=2$. THEN IT MOVES TO
THE RIGHT.

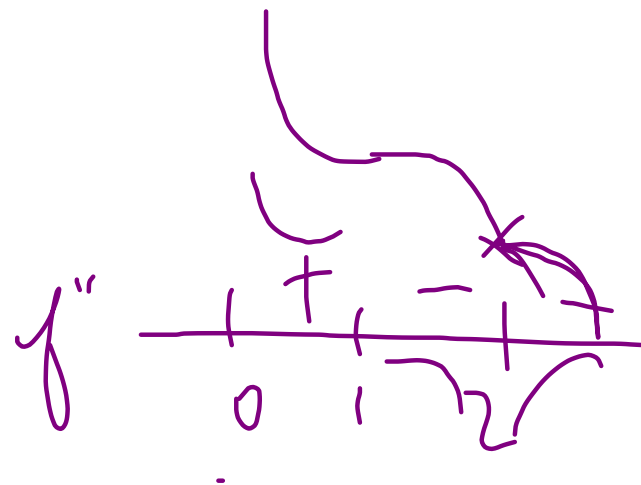
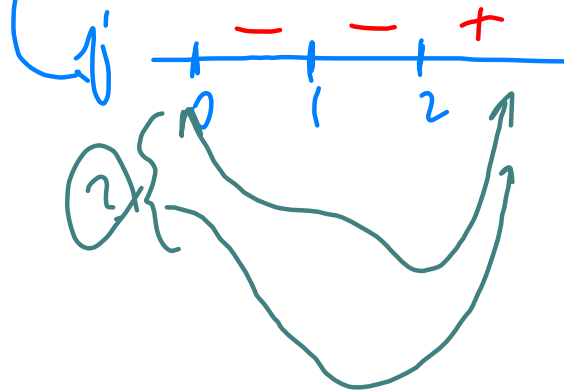
31) SKETCH A POSSIBLE GRAPH OF f THRU P.



34) f IS AN EVEN FUNCTION ON $[-3, 3]$

x	0	1	2
f	2	0	-1
f'	D.N.E.	0 ^v	D.N.E.
f''	D.N.E.	0	D.N.E.

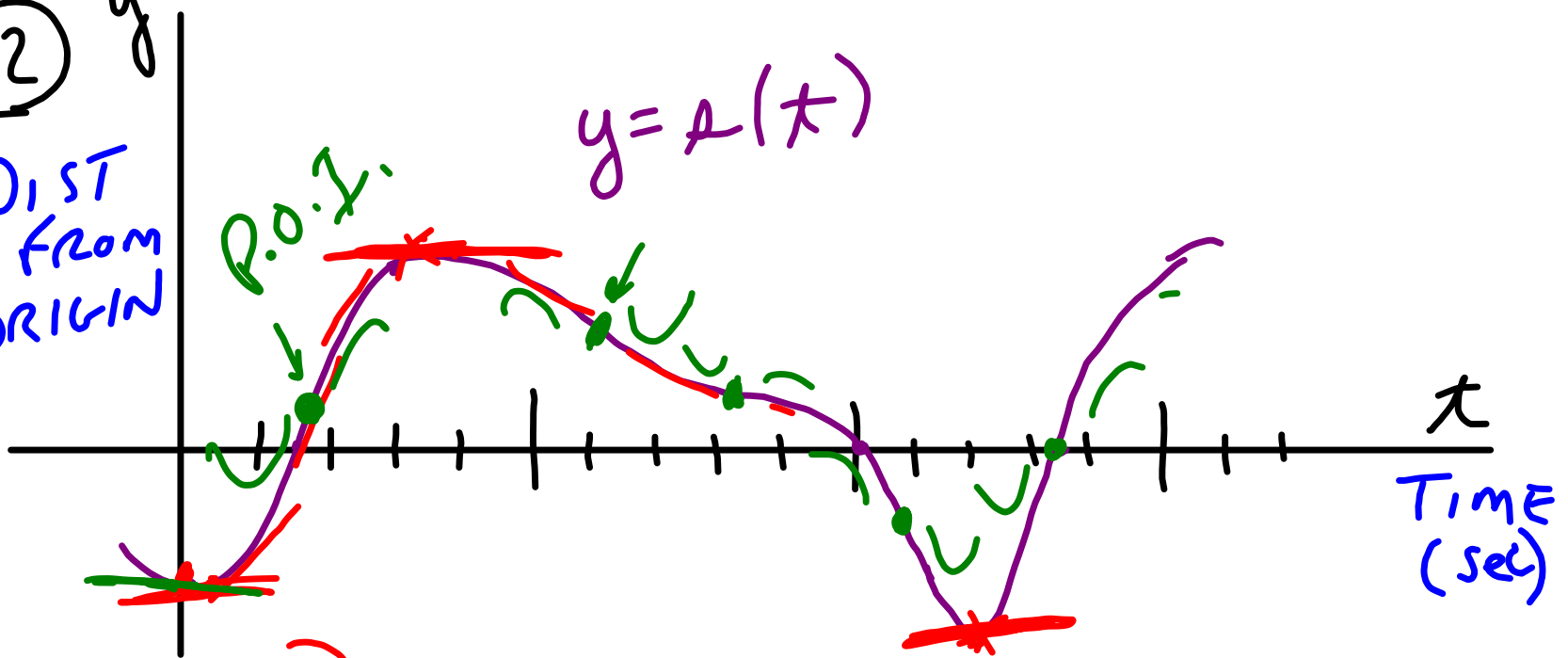
x	$0 < x < 1$	$1 < x < 2$	$2 < x < 3$
f	+	-	-
f'	-	-	+
f''	+	-	-



42

DIST
FROM
ORIGIN

$$y = A(t)$$



a) $vel = 0?$

b) $acc = 0?$

O.T.L.

• P. 204-5 32, 38, 39, 41

• AP B⁴ 86

TEST THUR: 4.1-4.3

50 POINTS

• COOL MINT GREEN

AP PRACTICE EXAM THRU 4.2

• FOLLOW DIRECTIONS!

• CORRECT USING VIDEOS

• SOLUTIONS TO # 16 HAS AN
ERROR IN FACTORING

• 20 POINTS - TURN IN 01-03-06