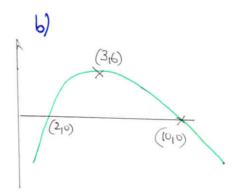


- BI BOTH WELLET I INHECEPT
- B) (3/21-6)



- BI BOH GOLLET IL IN HELPPIJ
- B1 (316)

BOTH WHELL DHENDENDANTON THE QUEUE HANN'S THE COPPLET SHAPE AND IN THE CORRECT PUMPERANT - IF INCORRECT SHAPE OR QUADRANT PUSTION SCORES BO BO

9+6N2+2 OR 11+6N2

MI

ATTIMPT TO PATIONALIZE AFTIRE EXPANSIONS TIDY ()+1)

49 SEEN ON DENOMINATOR of their rationalization MI dep

3

a) $\frac{9-3}{9-7}$ or $\frac{3-9}{7-9}$ M

6) cosporar - 1 " vosp" B1

$$y = \frac{x+q}{2} + \frac{q}{3} + 3q = \frac{1}{3}$$

MI &

9772 TURDAILURIZ TURO TZAZU TA HETWI CHOTTUJOS

C(115) A2 c.a.o

d)
$$\sqrt{(7-1)^2 + (3-5)^2}$$
 or $\sqrt{(7-9)^2 + (3-9)^2}$ or SIMILAR MI

NAO STEN ER 2 CAWLMOND + COMMENT

Al

31

Al

8

5. (a) (2-2)(2H)

(b)
$$(x^2-2)(x^2-6)$$
 or evictory of substitution for $a=x^2$

3 = > Al (most cross obs "-6)

 $2 = \pm \sqrt{2}$ Al (CONDONY NOT QUESTING FOR -6

IF THE ANSWER IS SEEN)

51+55+59 +---+ 131 < AWARD BI IF NORTHING FLEE IS SCORED

$$Q = SI$$

B3

FULL METHOD MUST BE SHOW BEFORE ARRUND TO 1911 -A

$$(y=)2x^3-3x^2-20x$$

$$(y=) x(2^2-3x-20)$$
 M1

$$(y=)$$
 a $(2x+5)(x-4)$ $A1$

(b) shape ~ BI



THOUGH (0,0) BI

BI

8.

$$2(2x^2-6x+7)+x=8$$
 MI

ALTHONATION
$$y = 2(8 - 2y)^{2} - 6(8 - 2y) + 7 \quad M$$

$$8y^{2} - 52y + 87 \quad A1$$

$$(8y - 29)(y - 3) = 0 \quad M$$

$$y = (3)$$

$$43 - 1eeoo$$

$$43 - 1eeoo$$

$$43 - 1eeoo$$

$$(8y-29)(y-3)=0$$



9.
$$b^2-4ac < 0$$
 or $[a(2p-1)]^2-4 \times 1 \times (7p+4) < 0$ of thu state MISING AT

 $4p^2-1p-3 < 0$ A2 -1 eeco

$$10$$
- a) $\frac{du}{dx} = 6i^2 - 18x + 12$ B((MAY BE AWARDED IN PART b)

$$0 = 6x^2 - 18 + 12$$
 (or $x^2 - 3x + 2 = 0$) M

$$0 = (x-2)(x-1)$$
 MI

$$x = \begin{cases} 1 \\ 3 \\ 3014 \end{cases}$$

$$y = \begin{cases} -2 \\ -6 \\ 4 \\ 1 \end{cases}$$

(c)
$$6x^{2} - 18x + 18 = 36$$
 or $x^{2} - 3x - 4 = 0$ M
 $(x - 4)(x + 1) = 0$ Al
$$x = \begin{pmatrix} 4 \\ -1 \end{pmatrix}$$
 Al



 $240000 \leq EEN$ B1 360000 = 42(24+39d) = 240000 = 32(24+29d) PM3 appearing in equation in equation

TAMINT TO FUNITA-

MI

Αl