470MPO TO PRAPILANCE EQUATION MI

$$\frac{3}{2}$$
 AI

 $-\frac{2}{3}$ SEON OR THER $-\frac{1}{\frac{13}{2}}$ BI

 $9-6=-\frac{2}{3}(x-2)$ MI CORRECT STRUCTURE

Fig. $3y+2x=22$ AI All Correct

2.
$$34 = (kx4-3)x\sqrt{4}$$
 MI
 $k = 5$ AI
 $\int (''5''x-3)\sqrt{x} dx$ BI

$$(y-1)2x^{\frac{3}{2}}-3x^{\frac{1}{2}}$$
 MI
 $(y-1)2x^{\frac{5}{2}}-2x^{\frac{3}{2}}+C$ M42 -1 ee ∞

MUTIPULS TOP BOTTOM BY
$$N6-N2$$

$$\frac{6-\sqrt{12}+3\sqrt{12}-6}{6-\sqrt{12}+\sqrt{12}'-2}$$
AT LEAST 7 THEMS COPPLET MI
$$\sqrt{3}$$
 c.q.o Al

SENGRE ATTIMET (-9.
$$8w^{\frac{1}{2}} = \frac{1}{w}$$
 012 $w^{-1}(8w^{\frac{3}{2}} = 1) = 0$ M

$$W^{\frac{3}{2}} = \frac{1}{8} \quad \text{Al}$$

$$(\frac{1}{8})^{\frac{3}{2}} \quad \text{Bl}$$

$$W = \frac{1}{4} \quad \text{Al ca.o}$$

4. a)
$$a=5$$
, $b=-3$, $c=5$ B3

- b) (MINIMUM VALUE IS) 5 DO NOT ACCOPT COORDINATE F.g (3,5)
- c) $\sqrt{(2-5)^2+(2x+1-6)^2}$ with of without $\sqrt{}$ MI $x^2-102+25$ or $\sqrt{x^2}-20x+25$ MI CONDIDCINCUL APPLIES AT THE ANSWER GIVEN AT

5. a)
$$y_3 = 7$$

 $y_4 = 17$
 $y_5 = 31$
 $y_6 = 65$

b)
$$2^{n} \pm \text{sometripNC-ease}$$
 MI
 $2^{n} + (-1)^{n}$ Al

7.
$$(-4a)^2 - 4 \times 1 \times (2b+1) < 0$$
 MI FRMING DISCRIMINANT MI < 0

SIMPULAGE TO 2b+1 > 42° O, E MI

CONVINCINGY READER THE TURNER AI GNAN B > \(\frac{1}{2} \text{20} + 1) (2a-1) WITHOT MUSING STEPS OR FUDGES

8.
$$(\frac{1}{3}\pi)^{-\frac{1}{6}}(+\pi)^{-1}$$
 $= 82$ -1 $= 82$

$$\left(\frac{dy}{dx}\right) \chi^2 - \chi^{-2}$$
 MI H

IMPUES OR STATES THAT PI HAS GRAD IS BI

$$|| x^2 - x^{-2}|| = \frac{||x||}{||x||}$$
 B

$$42^{4}-15x^{2}-4=0$$
 M

$$(4x^2+1)(3^2-4)$$

$$\alpha = \left\langle \begin{array}{c} 2 \\ -2 \end{array} \right. \quad \underline{\text{Rot}} \quad 4$$

$$y = \frac{3}{-\frac{10}{3}} + \frac{10}{10}$$

$$y-3=\frac{15}{4}(2-2)$$
 o.e $4y=152-18$

$$2b+3c-2 \in d$$
)
 $(b-3c+1)-(2b+3c) \in d$)
 $(4b+5c)-(b-3c+1) = d$)
B2 Any Two

REDUCE 3 EQUATIONS TO 2 EQUATIONS IN 69C (ATTIMPT) MI

ATTEMPTS to Sowt "THER" TWO EQUIDING IN DEC MI

$$\frac{30}{2}$$
 [2×2) + 29 ×3]

MI STEUCTURE, M2- (
$$n = 30$$
)
 $q = 2$
 $d = 3$
 $d = 3$

CONVINGING (WORKINGS WEST BE SEEN) MI