$$l = \frac{a}{1-r}$$
 MI

$$l^2 = \frac{a}{1-2q}$$
 or $1-2u = q$ M

$$a = \frac{1}{3}$$

b)
$$\frac{1}{3} \times \frac{2}{3}$$
 MIMI -1 eeoo $\frac{16}{243}$ C.a.o Al

ATTHUP'S SOUTHON OF THERE SIMULTANIONS QUATION MI

b)
$$(x-1)(x^2+bx+c)$$
 M
 $(x-1)(x^2-a-6)$ A1
 $(x-1)(x+2)(x-3)$ M

$$\frac{5}{2}$$
 $\left(0+0+2\left(2\cdot12+2\cdot94+3\cdot03+2\cdot77+1\cdot91\right)\right)$ M

= 63.85 ac 63.9 or 64 A

SC2) 53.0775 IF THEY TREATED 2.12 4 1.91. AS FIRST & LAST

DIVIDE FRUATION BY WSD MI

68.2 Al

248.2 A

loga [2(2-3)] or loy[22-3x] M

$$2^{2}-3x = 10$$
 o.e 41 $(x-5)(x+2)$

$$\lambda = \langle \zeta \rangle$$

2= S BOOH OR SOMY AL

INDINATTY J IS THE ONLY SOUTHIN

7. a)
$$\frac{5-6}{12-1}$$
 MI $-\frac{1}{11}$ Al

c) "ATTEMPTS" TO FIND [PR] OR IQR! MI
$$(x-6)^2 + y^2 = |6|$$
 Al Al

8.
$$7^2 = x^2 + 9x^2 - 2x(3x)\cos 60$$
 M
 $-7x^2 = 49$ Al ...

$$\alpha = \sqrt{7}$$
 Al

 $\frac{1}{4}\sqrt{3} \frac{1}{3} \frac{1}{3} + \frac{1}{2} \frac{1}{2} (60 - 52) \text{ or simual MI}$ $\frac{1}{4}\sqrt{3} \frac{1}{3} \frac{1}{2} + \frac{1}{2} \frac{1}{2} (60 - 52) \text{ or simual MI}$ $\frac{1}{2} (\sqrt{3} - 10) \frac{1}{2} + \frac{1}{30} \frac{1}{2} + \frac{1}{30} \frac{1}{2} \frac{1}$

Stpw 4. W.R. T 7.26 A1

 $\frac{1}{2}(\sqrt{3}-10) = \frac{1}{2}(\sqrt{3}-10) = \frac{1}{2}(\sqrt{3$

11. INDICATES GAP OF GO OR FOR PRENDED 120 OR FIND 120 OR FIND 120 OR FIND M

Sout EVIDENCE OF CORRECT MITTED) MI f.y = # A A AH

or
$$n\left(\frac{\pi}{9}\right) - \phi = \pi$$
 $n\left(\frac{\pi}{9}\right) - \phi = \pi$
 $n\left(\frac{\pi}{9}\right) - \phi = 2\pi$

Mount out these $n\left(\frac{\pi}{9}\right) - \phi = 2\pi$

FUMINATE BETWEEN ANY TWO MI