( a) = x6x10x SIn(0.8°) M1 21.52... Al c...

b) = x62x0.8 M/
14.40... A/
FINAL ANSWER 7.12...A/ c.a.o

C) USE OF GOSINE RULE GORRETLY) MI [AC] = 7.24.... Al 6 × 0.8 OR 4.8 SHEN MAI FINAL ANWEL 16.0... Al cas

2. a) STATES -4 B/

b) 
$$(2+p)(2x2^2+5x2-4)-4 = 10$$
  
 $(p+2)x14-4=10$   
Sowed f.y  $14p+28-4=10$  M  
 $14(p+2)=14$ 

P = -1

(2-1)  $(2x^2+5x-4)-4$ ATTIMITE TO MUCTURY & SIMPLIFY WING THEIR P MY  $2x^3+3x^2-9x$  Al  $x(2x^2+3x-9)$  MI x(2+3)(2x-3) Al (.1.0)

3. a) 
$$\left(1+\frac{x}{2}\right)^7 = \left(1+\frac{7}{2}x\right) + \frac{21}{4}x^2 + \frac{35}{8}x^3$$
 BIBIBI

b) 
$$1+\frac{4}{x}+\frac{4}{3z}$$
 B1  
SIGHT OF  $\frac{7}{2}x$ ,  $\frac{21}{2}$ ,  $\frac{35}{2}$ 2 ANY TWO MI  
42 or 422 A1 C. 9.0

4. 
$$\frac{a}{1-r} = 675$$

$$ar = 27x \text{ art } B/$$

$$r^{3} = \frac{1}{27}$$

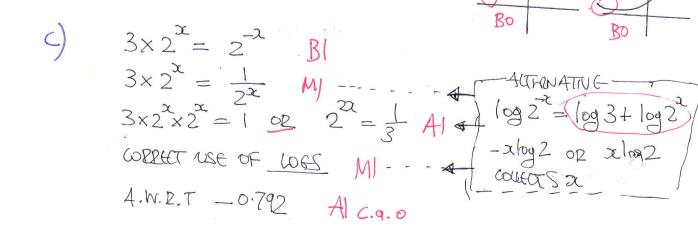
$$t = \frac{1}{3}$$

$$SOB INDO \frac{a}{1-\frac{11}{3}} & ATTEMPTS TO SOWL M/$$

$$a = 450$$

$$C.a.o A/$$

b) B1 coelea shape B1 (0,3)



6. a) 
$$\frac{1}{2} + \frac{1}{4} + \frac{1}{2} \frac{1}{8} \left( \frac{1}{8} \right) \left( \frac{1}{12} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} + \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} \frac{1}{2$$

e) (DIAGRAM) MITH CORRECT RAGRETING
TO THE FAST THAT TRAPEZIUMS GO OUTRE THE CURVE

7. USE OF tout = 
$$\frac{SIMD}{COSD}$$
 BI  
 $49MD = 1560SD$  MI  
USE OF  $SIMD = 1 - 60SD$  BI  
 $460SD + 1560SD - 4 = 0$  O. E MI  
 $(460SD - 1)(60SD + 4) = 0$  O. E MI  
 $60SD = \frac{1}{4}$  16NOPE EXTRAS AI  
75.5 OR 76° AI  
284.5 OR 284° AI

8. 4TTIMPTS GRAD OF L. f.g  $\frac{11-8}{10-1} = \frac{1}{3}$  MI AI

EQUATION OF L.  $y-8 = \frac{1}{3}(x-1)$  OR 3y=x+23 MI

EQUATION OF TREPHADIENAR  $y-6 = \frac{11}{3}(x-5)$  MI AI

OR y=21-3x

Solvey Simultanifoldsy " 3y = 2 + 23" M! y = 21 - 3x" M!

 $x=4 \quad 41$   $y=9 \quad 41$ 

ATTIMES DISTANCE BETWEEN (SIE) q (4,9) MI