

1 = b2 - 4ac

 $= 2^2 - 4 \times 3 \times k$

- 4-12k

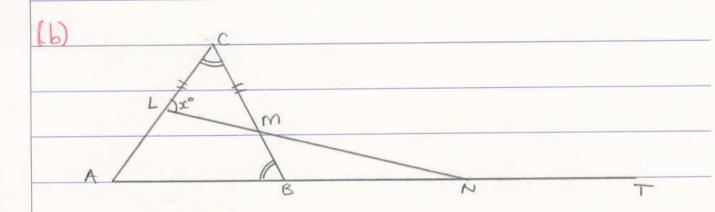
No real roots -> A > 0

: 4-12k>0

-12k >-4

 $-k > \frac{-4}{12}$

k > 1/3





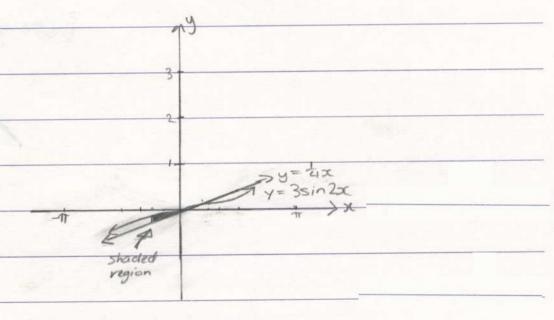
L BMN = x0 (Vert. opp. L's)

LMBN = 2x0 (supplementary Lis)

LBNM = 180°-300° (Loum of D)

LTNM= 3x° (supplementary Lis)

(c)(i) $y=3\sin 2x$ $x=\frac{\pi}{2} - \frac{\pi}{3} - \frac{\pi}{4} = 0 + \frac{\pi}{3} = \frac{\pi}{2}$ y=0.16-0.11-0.08 = 0.16 = 0.11 = 0.08



(i))		J= 4X										
	X	-T2	-T/3	11/4	0	714	173	712					
	q	-97	-97	-TI-16	0	F/15	7/12	7/8					

