

(a) 3x2+2x+ K=0

0 < 0

a = B2-4ac

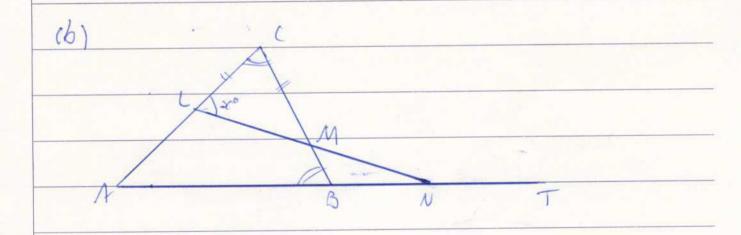
 $= 2^2 - 4(3)(k)$

= 4-12 k

: 4-12K<0

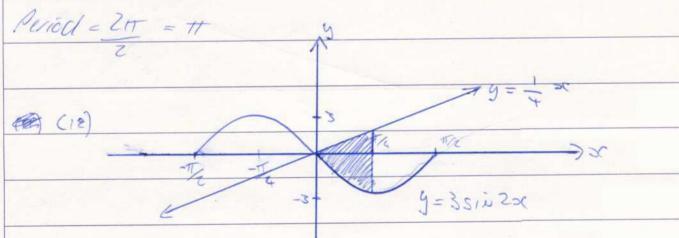
-12K<-4

4>1/3





(c) Sketch $g=3\sin 2x$ for $-\frac{\pi}{2} \leq x \leq \frac{x}{2}$ amplitude = 3 Period = $2\pi = \pi$



ur) y= = ================================	12	0	l	7
<i>y</i>	9	0	1/4	1/2





$$= \begin{bmatrix} -3\cos 2x & x^2 \end{bmatrix}^{\frac{\pi}{4}}$$