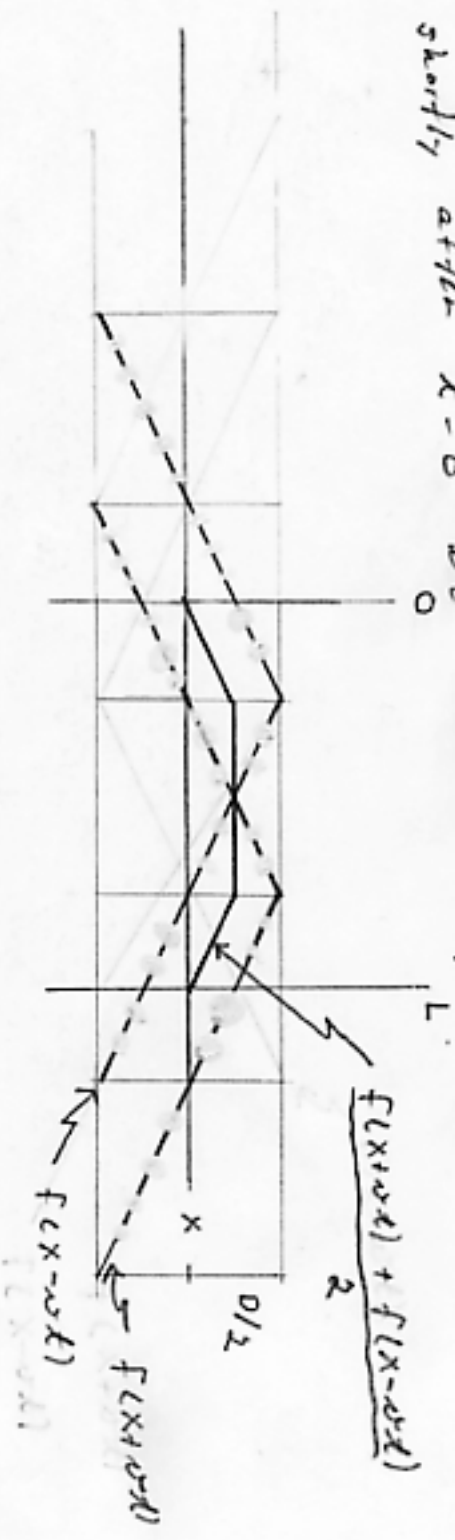
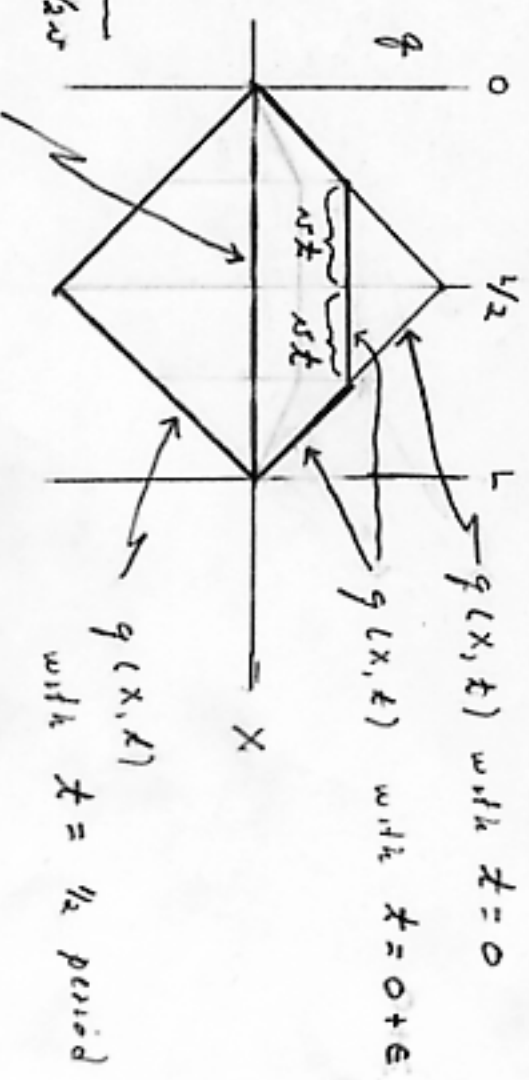
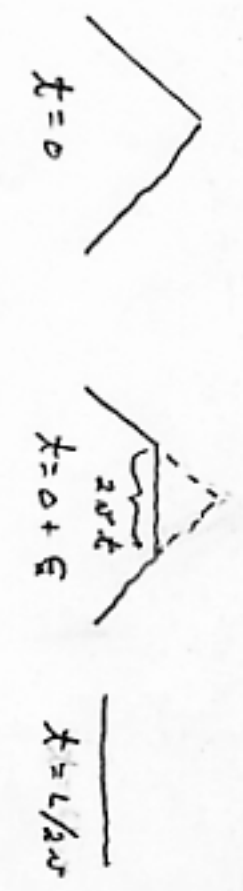


Now that we know $f(x)$ for all x , we can draw
 $g(x, t) = f(x+vt) + f(x-vt)$ for all time. For example, for
 a time t shortly after $t=0$ we have the picture.



This picture shows
 the shape at several
 times.



$g(x, t)$ with
 $t = 1/4$ period
 $\Rightarrow t = L/2v$

$g(x, t)$ with
 $t = 1/2$ period
 $\Rightarrow t = L/v$