TSKS 04

EXTRA PROBLEMS FOR TUTORIAL 1.

let septh and yptt) be bood

passband signals bandlinited to

[fc-w, fc+w]. Assume fc >> W.

Show that

let sell and yet be the

corresponding complex base band

representations of apel and ypte

respectively.

Show that

 $\int_{-\infty}^{\infty} x_p(t) y_p(t) dt = \int_{-\infty}^{\infty} Re \left[\int_{-\infty}^{\infty} x(t) y^*(t) dt \right]$