d) Determine 
$$\lim_{x\to 0} \frac{e^{2x}-3e^{-x}+x^2+2}{5-5\cos x}$$
 $\lim_{x\to 0} \frac{e^{x}}{5-5\cos x}$ 
 $\lim_{x\to 0} \frac{e^{x$