find eq'n of tangent line to $f(x) = e^x \cos(\pi x)$ @ $(x_1, f(x_1)) = (0,1)$ My version.

Your version: I don't know.

Digging...

$f(x) = e^{7x}\cos(\pi x)$ @ $(0,1) = (x_1, f(x_1))$

$f'(x) = 7e^{7x}\cos(\pi x) - \pi e^{7x}\sin(\pi x)$

$f'(0) = 7e^0\cos(0) - \pi e^0\sin(0)$

$= 7 - 0 = f'(x_1) \Longrightarrow$

$L(x) = f'(x_1)(x - x_1) + f(x_1)$

$= 7(x-0) + 1 = 7x + 1$

WebAssign wants $y = 7x + 1$