12011 Barbamm 5 fix) = esin(5x) (nonnumber  $e^{\sin(5x)}$  go.  $e^{\sin(x)}$ )  $e^{\sin(x)} = (e^{\sin(x)})^2 = (\sin(x))^2 - e^{\sin(x)} = \cos(x) - e^{\sin(x)}$  $f''(x) = f'(\cos(x) \cdot e^{\sin(x)}) = (\cos(x))' \cdot e^{\sin(x)} + \cos(x)x$   $= \cos(x)' = \cos(x) \cdot (\sin(x))' \cdot e^{\sin(x)} \cdot (-\sin(x)) \cdot e^{\sin(x)} =$   $= \cos^2(x) \cdot e^{\sin(x)} \cdot (-\sin(x)) \cdot e^{\sin(x)} = e^{\sin(x)} \cdot (\cos^2(x) + \cos^2(x))$ -sin(x)] f"(x) = (esin(x) · (cos²(x) - sin(x))) = (esin(x)) · (cos²(x) - sin(x) +  $\frac{\sin(x)}{\cos^2(x)} - \sin(x) = (\sin(x)) \cdot e^{\sin(x)} \cdot (\cos^2(x) - \sin(x)) +$ -esin(x).(cos2(x)) + (-sin(x))) = cos(x).esin(x).(cos2(x)-sin(x))+ + esm(x). (2. cos(x). (cos(x)) - (sin(x))) = cos(x)-esin(x). (cos(x)-sin(x))+  $-e^{\sin(x)} \cdot (-2 \cdot \cos(x) \cdot \sin(x) - \cos(x)) = \cos(x) \cdot (e^{\sin(x)} \cdot (\cos^2(x) - \cos(x)))$  $-\sin(x)$  +  $e^{\sin(x)}$ .  $(-2\cdot\sin(x)-1)$  =  $\cos(x)\cdot e^{\sin(x)}\cdot (\cos^2(x)-1)$ 3.5in(x) - 1)  $y = e^{\sin(x)} \cdot (3 \cdot \sin^2(x) + \sin(x) + \cos^2(x) \cdot (\cos(x) - \cos(x))$ -6. sin(x)-4)),

$$f^{(5)}(x) = (e^{\sin(x)}, (3 \cdot \sin^2(x) + \sin(x) + \cos^2(x) \cdot (\cos^2(x) - 6 \cdot \sin(x) + y))) = \cos(x) \cdot (15 \cdot \sin^2(x) \cdot e^{\sin(x)} + 15 \cdot \sin(x) \cdot e^{\sin(x)} + \cos^2(x) \cdot e^{\sin(x)} + 10 \cdot \sin(x) \cdot \cos^2(x) \times e^{\sin(x)} - 10 \cdot \sin(x) \cdot \cos^2(x) \times e^{\sin(x)} - 10 \cdot \sin(x) \cdot \cos^2(x) \times e^{\sin(x)} + e^{\sin(x)})$$

$$f(0) = e^{\sin(x)} - 10 \cdot \cos^2(x) \cdot e^{\sin(x)} + e^{\sin(x)}) + e^{\sin(x)} + e^{\sin(x$$

