MATH 102 REVIEW #8

1. IS $f(x) = x^3 e^{x^2}$ EVEN, ODD, BOTH, OR NEITHER

2. A CIRCLE HAS CENTRE $(0,1)$ AND RADIUS 1.
A LINE TRAVELS THROUGH POINTS $(0,1)$ AND $(2,2)$.
FIND THEIR INTERSECTION POINTS AND SKETCH.

3. SOLVE FOR x:

a) $2e^{2t-5} - 4 = 11$

b) $\ln(3x+1) = 1 + \ln(x)$