ASSIGNMENT 1

- (1)In Mathematics, dynamic equation can refer to;
- (A)difference equation in discrete time
- (B)differential equation in continuous time
- (C)time scale calculus in combined discrete and continuous time.

(2)
$$y=A*t*e^x$$

$$dy/dx=x*A*t*e^-x$$

$$A=1/x*t*e*dy/dx$$

$$A=x/x*t*e*dy/dx$$

Where
$$dy/dx=A*t*e^-x$$

$$A=e^{\Lambda}-x^*e^{\Lambda}-x$$

$$dy /dx = x(e^{-2*x})t^*e^{-x}$$

$$dy/dx=(e^3*x)x*t$$