MAT 239 (Differential Equations) Classification of DEs

Consider the differential equation: $\frac{dQ}{dt} = -kQ$
What is the dependent variable? What is/are the independent variable(s)?
This is a 1st order linear ODE.
Consider the differential equation: $(1 - x^2)y'' - 2xy' + 2y = 0$
What is the dependent variable? What is/are the independent variable(s)?
This is a order
Consider the differential equation: $u_t + uu_x = 0$, or $\frac{\partial u}{\partial t} + u\frac{\partial u}{\partial x} = 0$.
What is the dependent variable? What is/are the independent variable(s)?
This is a order
Consider the differential equation: $\frac{d^2\theta}{dt^2} = -\frac{g}{L}\sin(\theta)$
What is the dependent variable? What is/are the independent variable(s)?
This is a order