The relationship between the independent variable x and the dependent variable, y, is shown in the graph below.
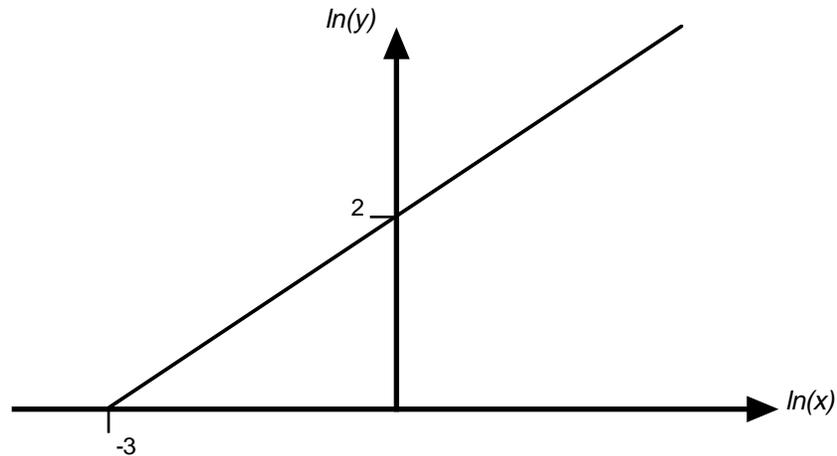

- *What sort of function relates ln(y) to ln(x) ? Find the equation for this function.*

- *What sort of function relates y and x ? Find the equation for this function.*

- *What value of x gives $y = e^2$?*