Section 1.3: Equations of Growth and Decay.

" the growth rate of y is proportionational to y with constant K

Solutions: y=Aexx

If k>0 dx is always positive & your y is growing; as x increases

IF K<0, dx is always negative
y is decaying as x increases

Find y(5)

$$y(0) = 100,000$$

Find x s.t
 $y(x) = 0$