1. With what value of x is Euler's identify derived from Euler's formula?

   a. Compile your answer with LaTeX

> **Euler's Formula** *Euler's formula, named after Leonhard Euler, is a mathematical formula in complex analysis that establishes the fundamental relationship between the trigonometric functions and the complex exponential function,*
>
> $$e^{ix} = cos(x) + isin(x)$$

Solution.
When $x = \pi$, Euler's formula evaluates to,

$$e^{i\pi} + 1 = 0$$

Which is Euler's identify. ■