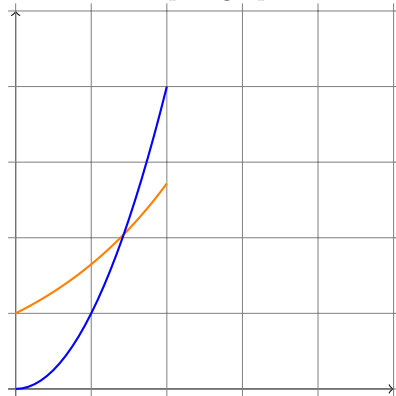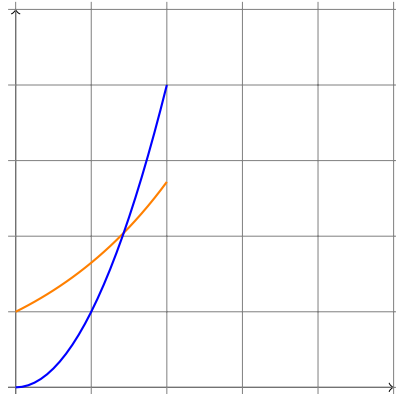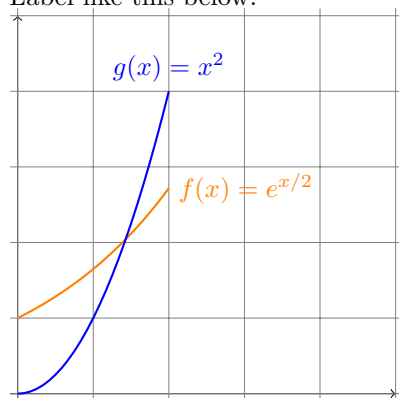# Plottting Ticz

JV

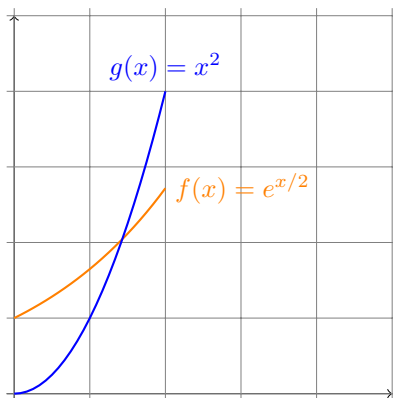## May 21, 2023

This is a test paragraph.

We define domain on top near tikzpicture below:
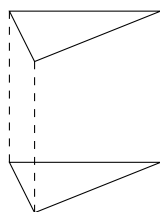
Label like this below:

Center this picture:

See the coordinate system:

Integral thing (dashed area):

$$f(x) = e^{x/2}$$

Integral with shaded area:

$$f(x) = e^{\frac{x}{2}}$$

a

b
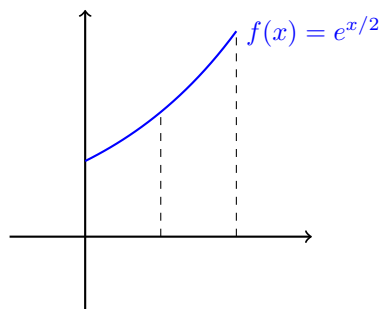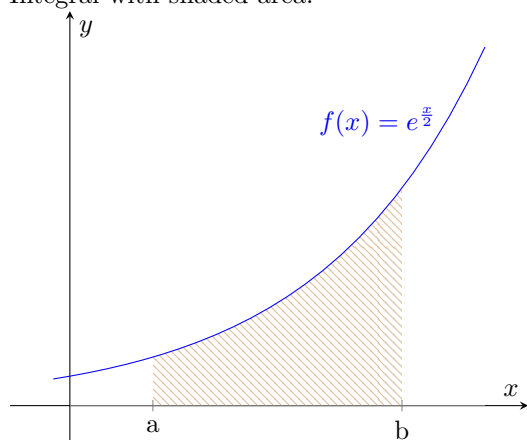
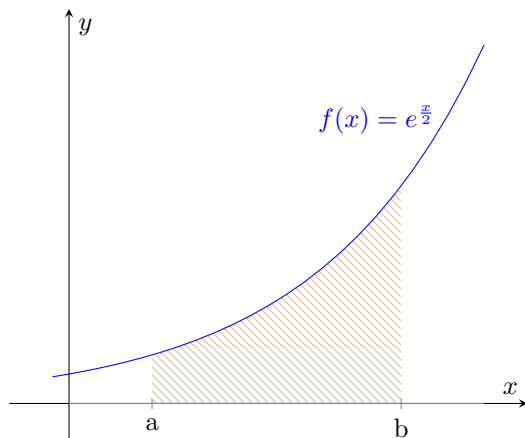Integral with shaded area, with figure:

Figure 1: This is Area under the curve

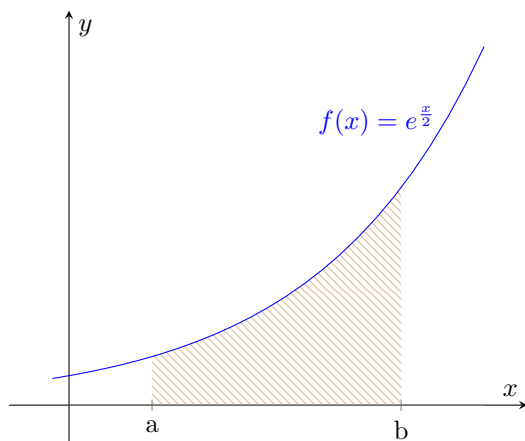Integral with shaded area, with figure and centering:
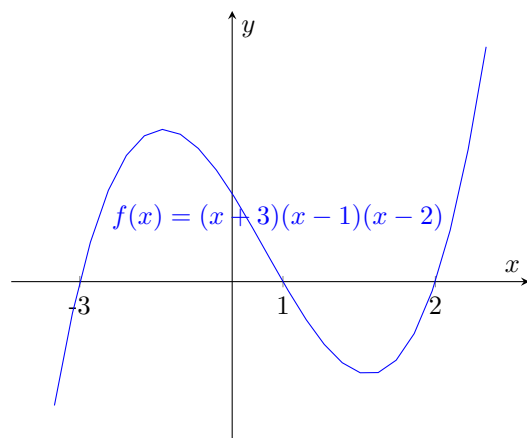

Figure 2: This is Area under the curve

With polynomial kind :

Figure 3: This is Area under the curve