

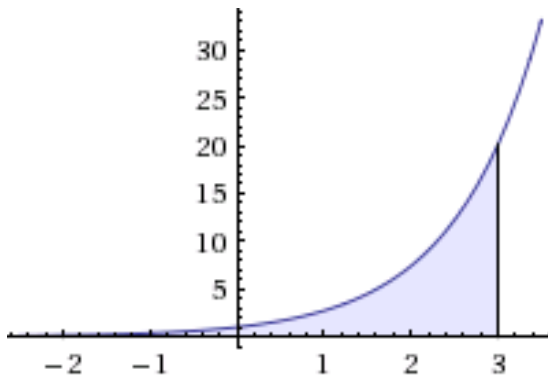
The curve $y = e^x$ between $x = -2$ and $x = 3$ can be found by the calculation of the integral of this function:

$$f(x) = e^x$$

$$\text{Let } F(x) = \int f(x) \implies F(x) = \int e^x dx$$

if $x = -2$ and $x = 3$, then

$$\int_{-2}^3 e^x dx = \frac{e^5 - 1}{e^2} \approx 19.9502$$



Answer: a. 19.95