

```
In[11]:= gauss[x_] = Exp[-(x - μ)^2 / (2 * σ * σ)]  
Integrate[gauss[x], x]
```

Out[11]= $e^{-\frac{(x-\mu)^2}{2\sigma^2}}$

Out[12]= $\sqrt{\frac{\pi}{2}} \sigma \operatorname{Erf}\left[\frac{x-\mu}{\sqrt{2} \sigma}\right]$