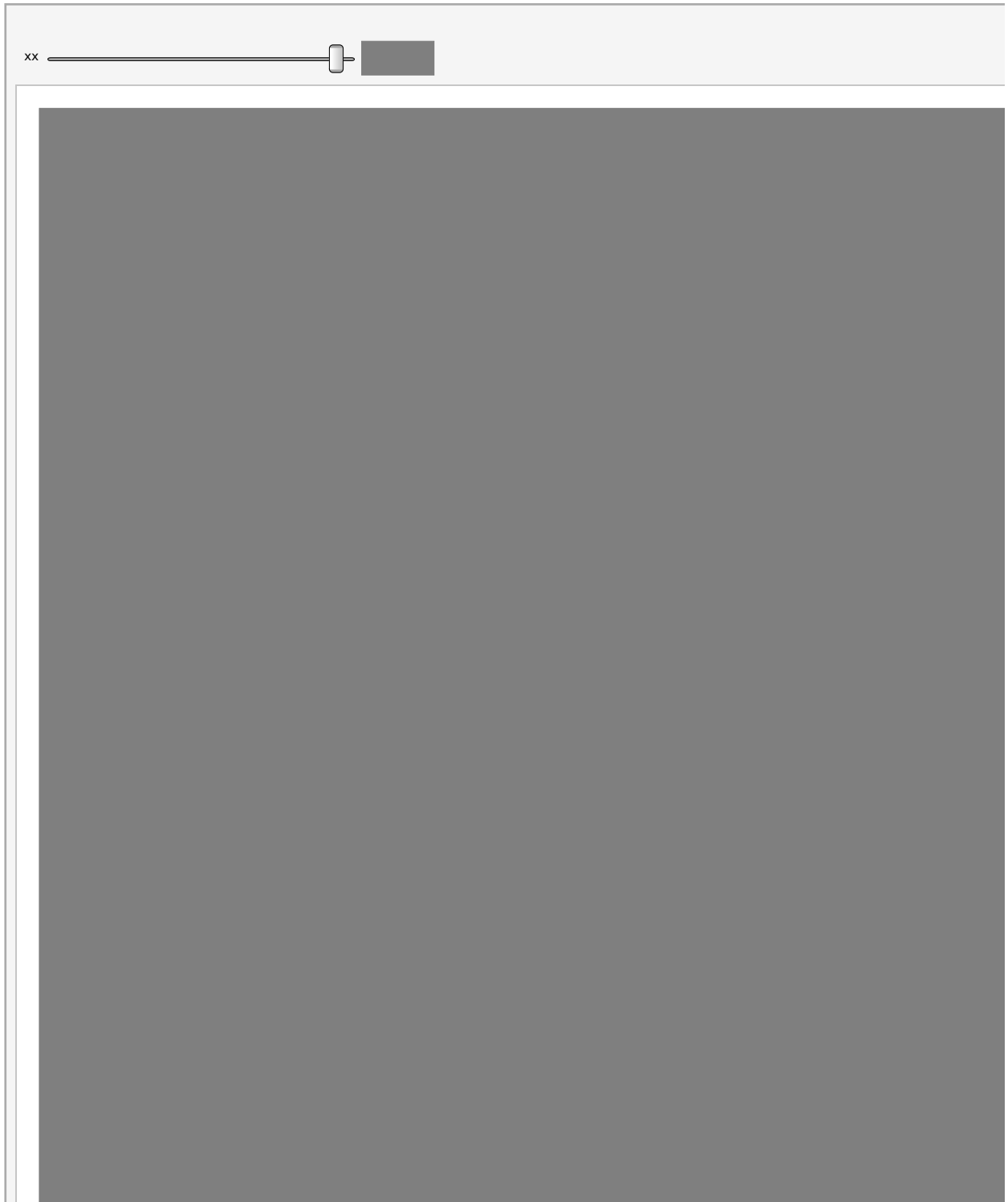
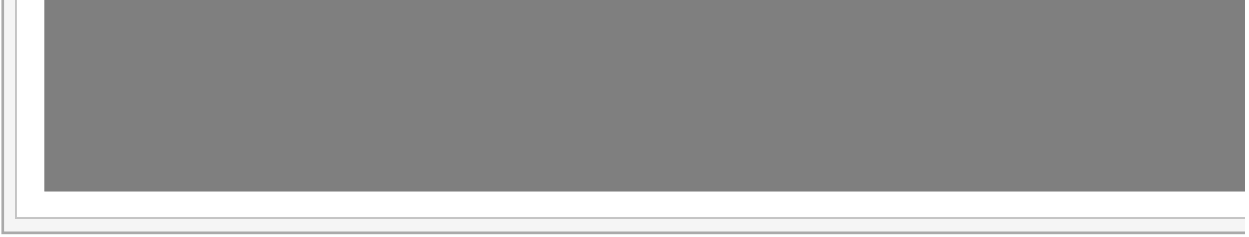


In[1]:=  $x^2 / . x \rightarrow 3$

Out[1]= 9

In[3]:= `Manipulate[Plot3D[Sin[x] Sin[y], {x, 0, xx}, {y, 0, 7}], {xx, 1, 20}]`





In[4]:= `Manipulate[Integrate[x^n, x], {n, 0, 10}]`



Out[4]=

In[14]:= `f[x_] := Exp[-x^2/2] / Sqrt[2 Pi]`

In[15]:= `f[0]`

Out[15]=  $\frac{1}{\sqrt{2\pi}}$

In[16]:= `N[ $\frac{1}{\sqrt{2\pi}}$ ]`

Out[16]= 0.398942

In[7]:= `N[ $\frac{1}{2\pi}$ ]`

Out[7]= 0.159155

In[17]:= `Integrate[f[x], {x, 0, Infinity}]`

Out[17]=  $\frac{1}{2}$

In[11]:= `N[ $\frac{1}{2\sqrt{2\pi}}$ ]`

Out[11]= 0.199471

$$\text{In[9]:= } N\left[\frac{\text{Erfc}\left[\frac{1}{\sqrt{2}}\right]}{2\sqrt{2}\pi}\right]$$

Out[9]= 0.0632943

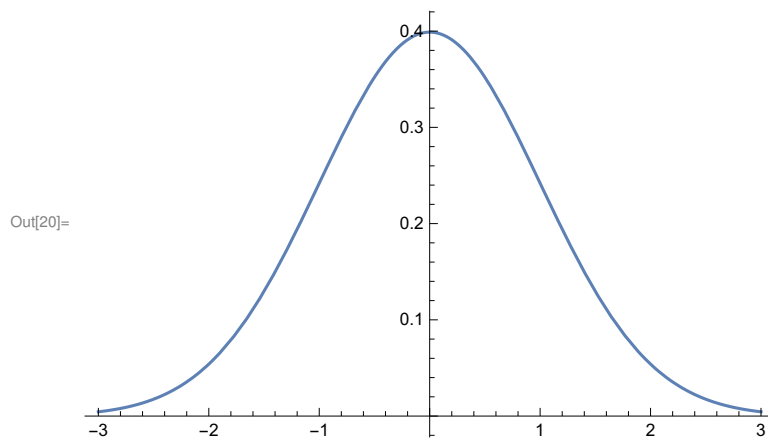
In[18]:= Integrate[f[x], {x, 1, Infinity}]

$$\text{Out[18]= } \frac{1}{2} \text{Erfc}\left[\frac{1}{\sqrt{2}}\right]$$

$$\text{In[19]:= } N\left[\frac{1}{2} \text{Erfc}\left[\frac{1}{\sqrt{2}}\right]\right]$$

Out[19]= 0.158655

In[20]:= Plot[f[x], {x, -3, 3}]



Plot[N[Integrate[f[x], {x, xx, Infinity}]], {xx, -5, 5}]

