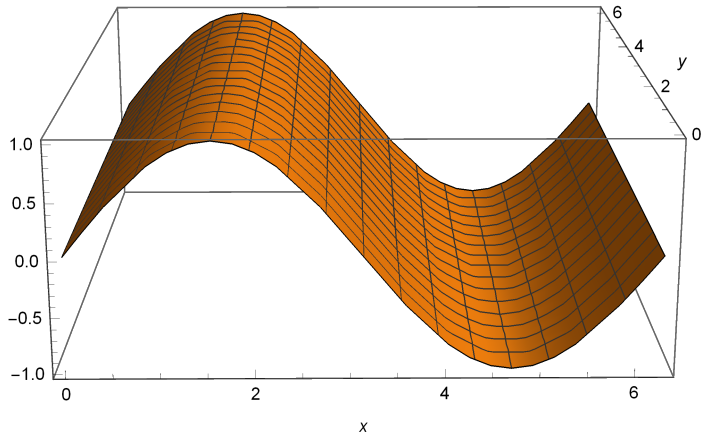
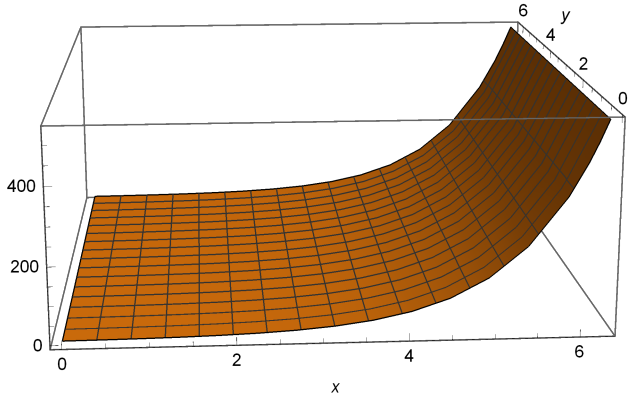
In[ ]:=
```
f[x_, y_] := Sin[x]; (* ℝ^2 → ℝ *)
Plot3D[f[x, y], {x, 0, 2 Pi}, {y, 0 , 2 Pi}, AxesLabel → Automatic]
```

Out[ ]=



In[ ]:=
```
f[x_, y_] := Exp[x]; (* ℝ^2 → ℝ *)
Plot3D[f[x, y], {x, 0, 2 Pi}, {y, 0 , 2 Pi}, AxesLabel → Automatic]
```

Out[ ]=