```
g[x_, y_] := 1/(2 * π * σ^2) * e^(-(x^2+y^2)/(2*σ^2)) /. {σ → 1};

Column[{
  Plot3D[g[x, y], {x, -4, 4}, {y, -4, 4},
   AxesLabel → {"x", "y"}, PlotRange → All, ImageSize → 450,
   BaseStyle → {FontSize → 14}, PlotLegends → {"G1(x,y)"}, PlotPoints → 100],
  DensityPlot[g[x, y], {x, -4, 4}, {y, -4, 4}, ColorFunction → GrayLevel,
   PlotRange → All, BaseStyle → {FontSize → 14}, FrameLabel → {"x", "y"},
   PlotLegends → Automatic, ImageSize → Medium, PlotPoints → 100]
 }, Center
]
```