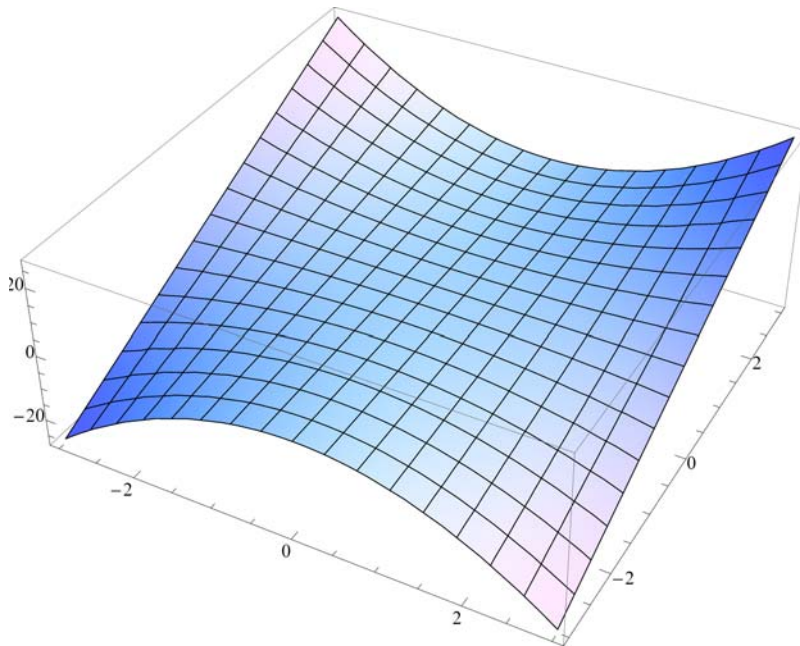


Capítol 12. El concepte de funció

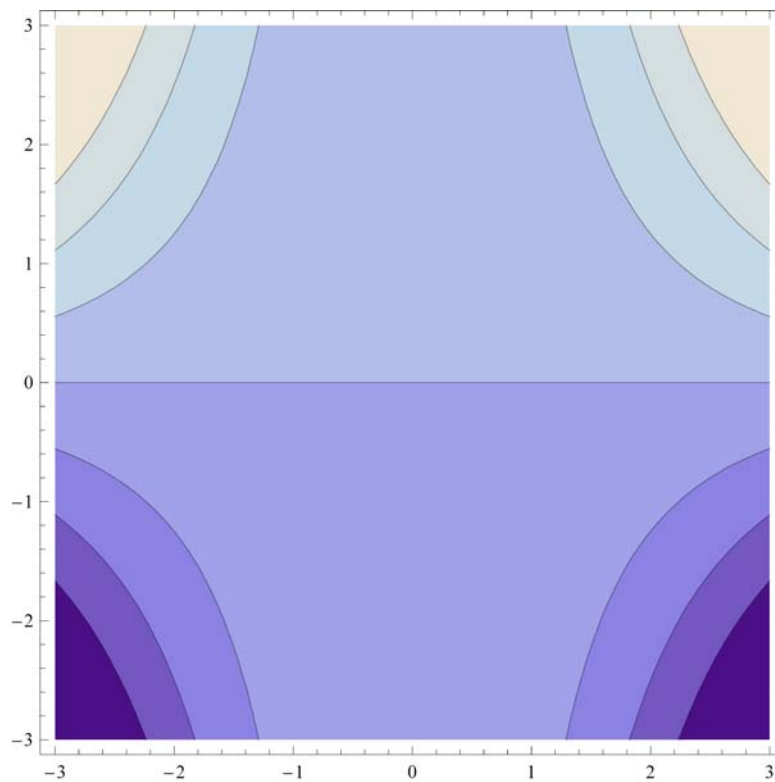
Exercici 12.7 a)

```
f67a[x_, y_] := x^2 y
```

```
Plot3D[f67a[x, y], {x, -3, 3}, {y, -3, 3}, PlotRange -> All]
```



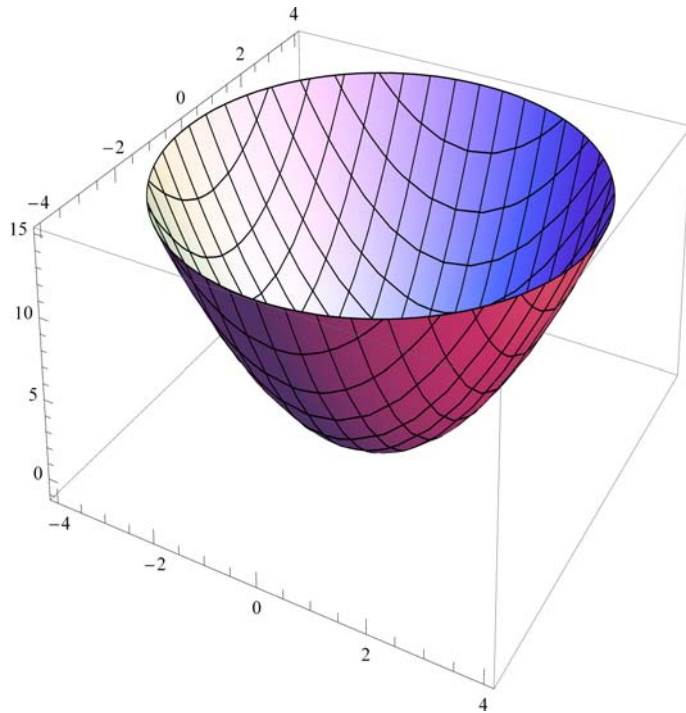
```
ContourPlot[f67a[x, y], {x, -3, 3}, {y, -3, 3}]
```



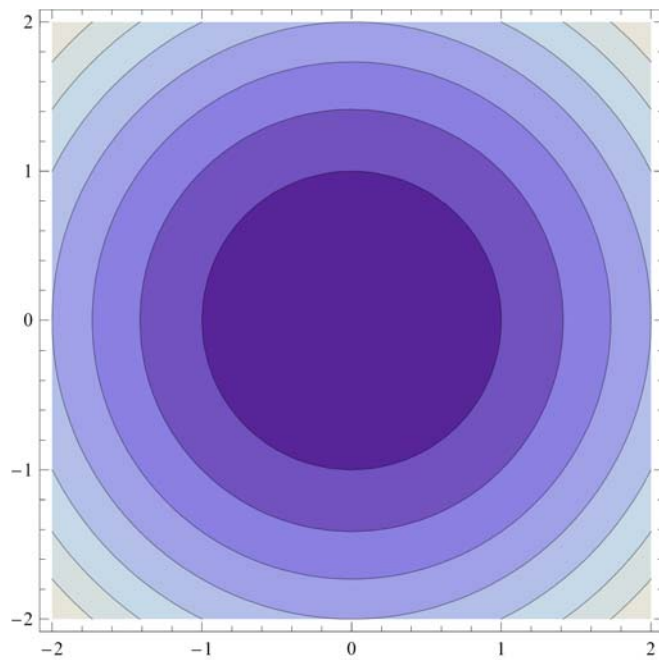
Exercici 12.7 b)

```
f67b[x_, y_] := x^2 + y^2 - 1
```

```
Plot3D[f67b[x, y], {x, -4, 4}, {y, -4, 4},  
RegionFunction -> Function[{x, y, z}, x^2 + y^2 ≤ 16], AspectRatio -> 1]
```



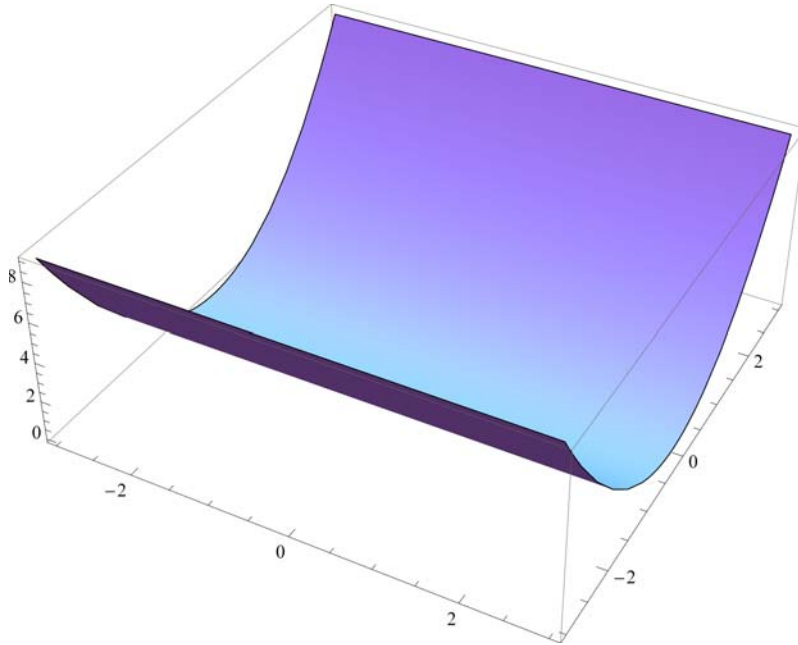
```
ContourPlot[f67b[x, y], {x, -2, 2}, {y, -2, 2}]
```



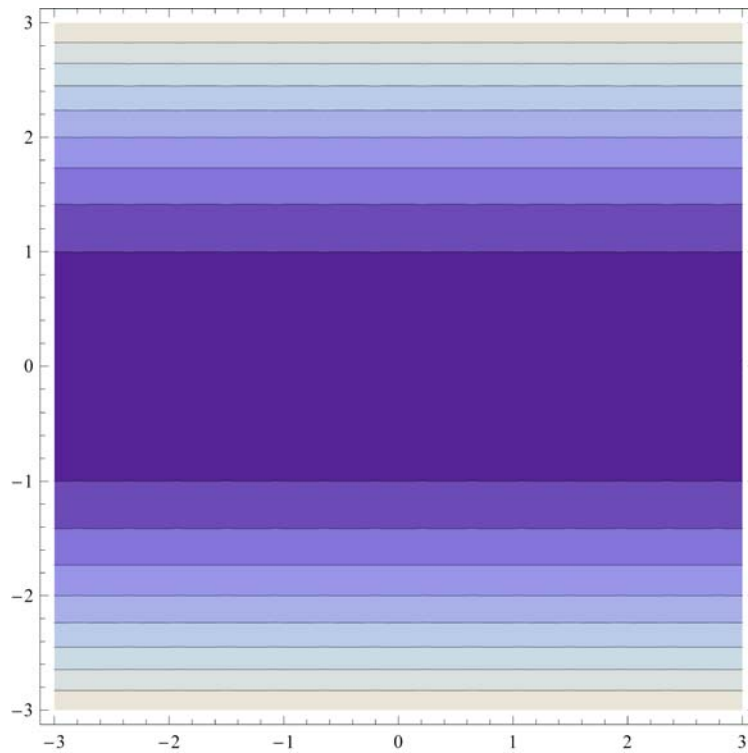
Exercici 12.7 c)

```
f67c[x_, y_] := y^2
```

```
Plot3D[f67c[x, y], {x, -3, 3}, {y, -3, 3}, Mesh -> None]
```



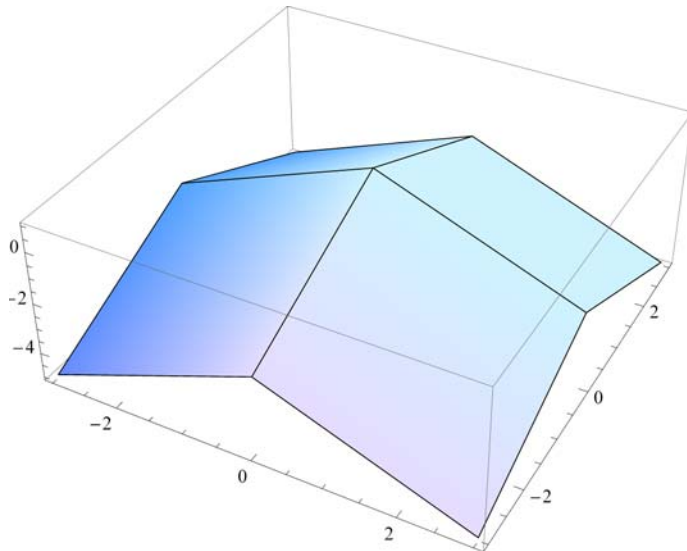
```
ContourPlot[f67c[x, y], {x, -3, 3}, {y, -3, 3}]
```



Exercici 12.7 d)

```
f67d[x_, y_] := 1 - Abs[x] - Abs[y]
```

```
Plot3D[f67d[x, y], {x, -3, 3}, {y, -3, 3}, PlotPoints -> {3, 3}, MaxRecursion -> 0, Mesh -> 1]
```



```
ContourPlot[f67d[x, y], {x, -3, 3}, {y, -3, 3}]
```

