

□□

```
In[3]:= SetOptions[Plot3D(*Or whichever plot you desire*),  
          ColorFunction → "Rainbow"(*One of many options*)];
```

```
In[7]:=
```

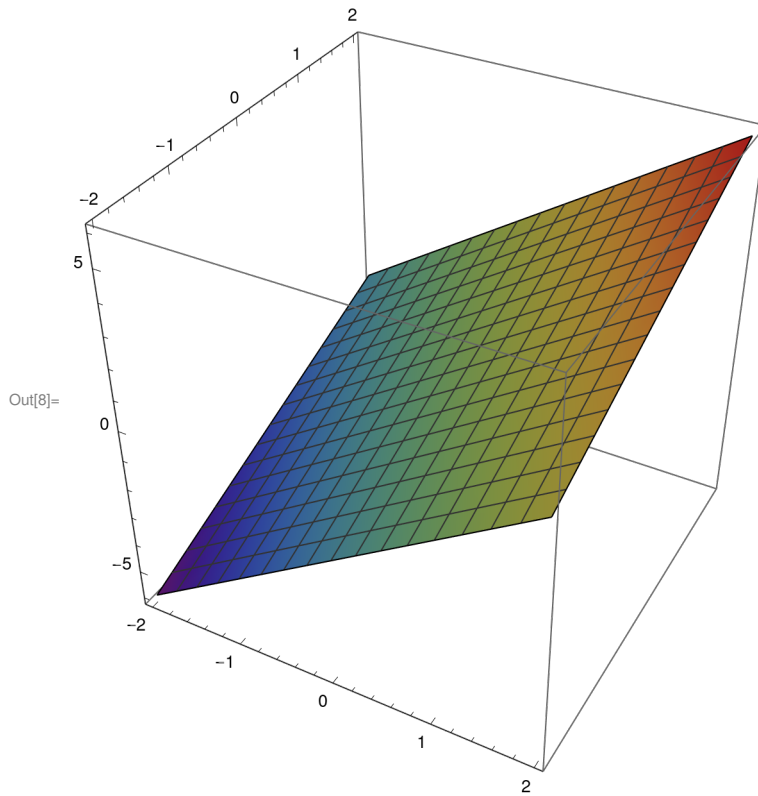
(Vzor)

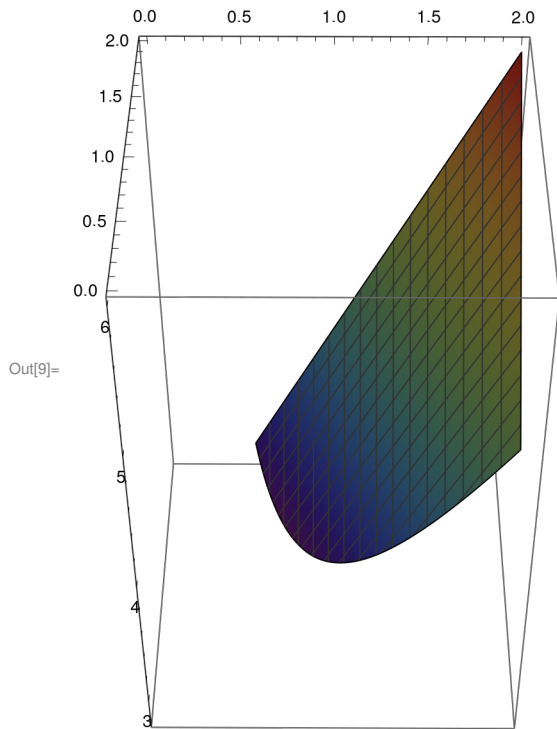
```
Plot3D[2 x + y, {x, -2, 2}, {y, -2, 2}, BoxRatios → {1, 1, 1}]
```

```
Plot3D[2 x + y, {x, 0, 2}, {y, 0, 2},
```

```
  RegionFunction → Function[{x, y, z}, 1/x < y], BoxRatios → Automatic]
```

Out[7]= Vzor

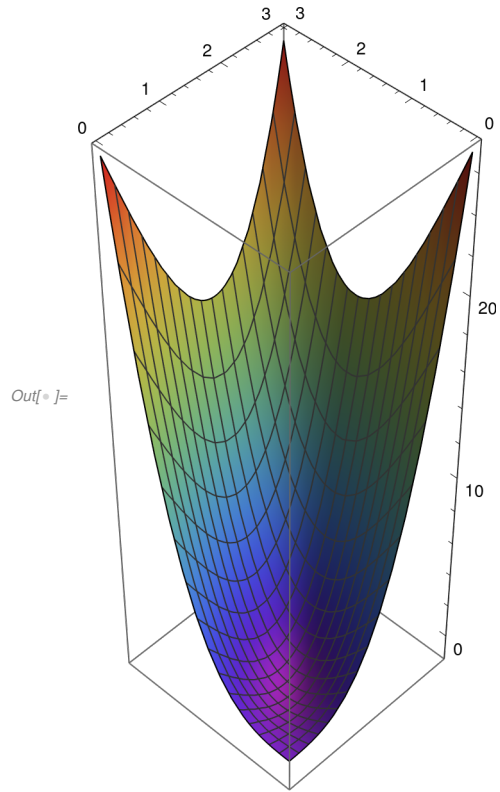




In[]:= (1 a)

```
Plot3D[x^3 - 3 x*y + y^3, {x, 0, 3}, {y, 0, 3}, BoxRatios -> {1, 1, 3}]
```

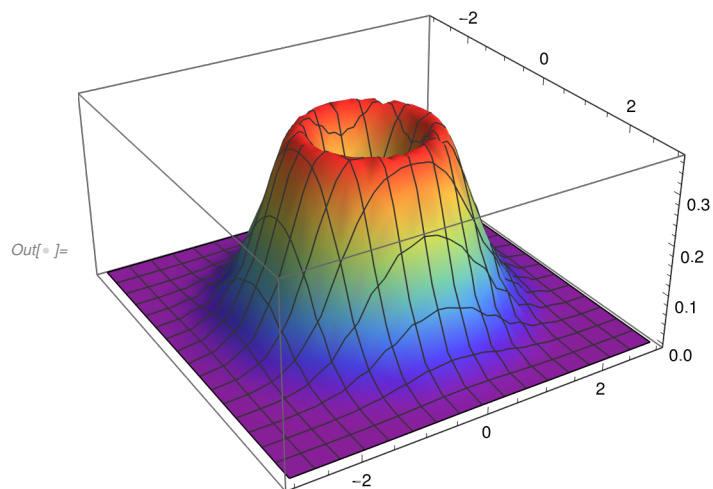
Out[]:= a



(1 b)

`Plot3D[(x^2 + y^2) Exp[-x^2 - y^2], {x, -3, 3}, {y, -3, 3}, BoxRatios -> {1, 1, 1/2}]`

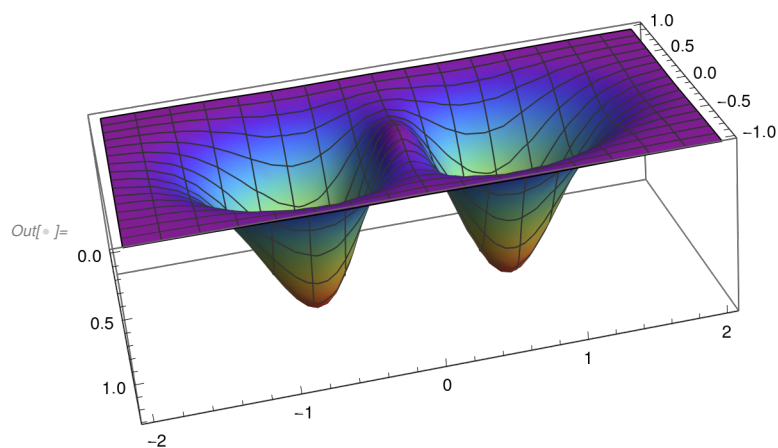
Out[]= a



(1 c)

`Plot3D[(x^2 + 7 y^2) Exp[-5 x^2 - 2 y^2], {x, -1, 1}, {y, -2, 2}, BoxRatios -> Automatic]`

Out[]= b

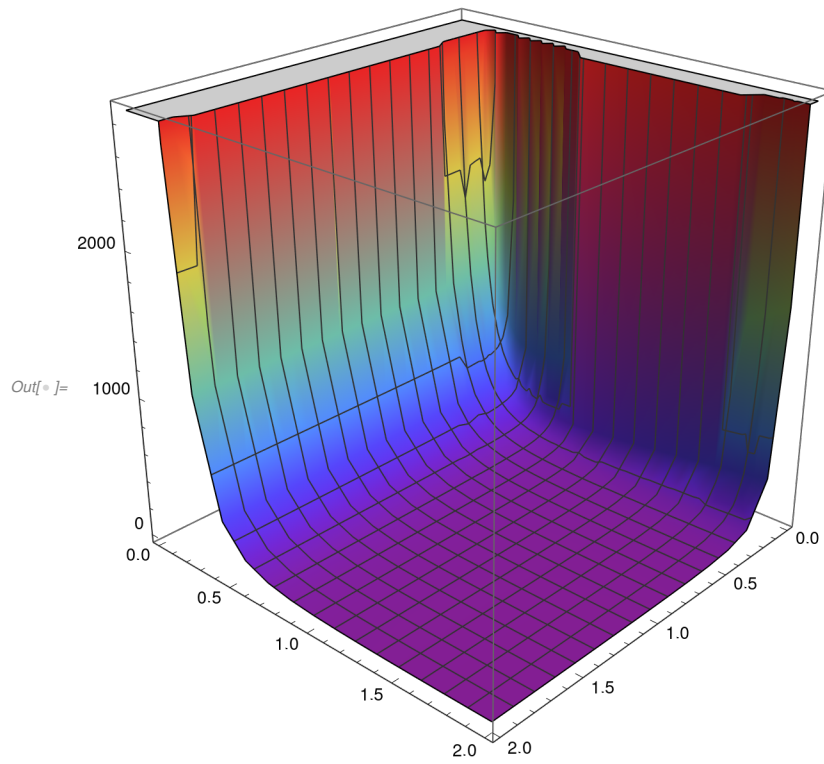


In[]:=

(d)

Plot3D[$3x + 4y/(x^2) + 27/(y^3)$, {x, 0, 2}, {y, 0, 2}, BoxRatios -> {1, 1, 1}]

Out[]:= d

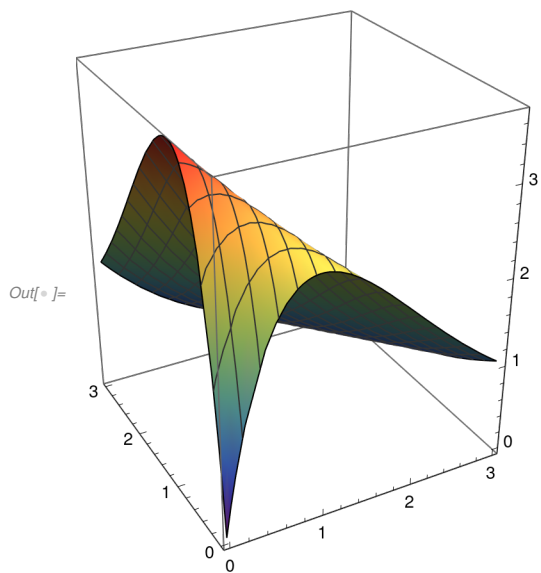


In[]:=

(1 f)

Plot3D[(7 x + 10 y) Exp[-x - y], {x, 0, 3}, {y, 0, 3}, BoxRatios -> Automatic]

Out[]:= f



In[]:=

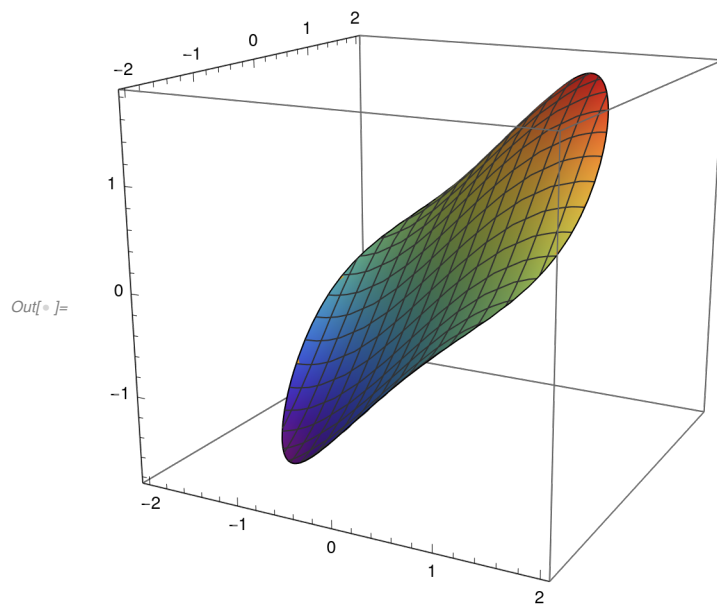
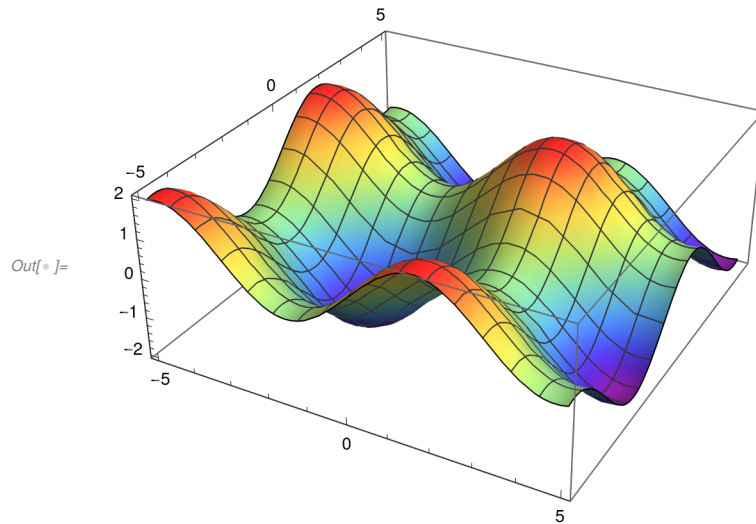
(2 a)

```
Plot3D[Sin[x]+Sin[y], {x, -5, 5}, {y, -5, 5}, BoxRatios -> Automatic]
```

```
Plot3D[Sin[x]+Sin[y], {x, -2, 2}, {y, -2, 2},
```

```
RegionFunction -> Function[{x, y, z}, x^2+y^2 < Pi^2/4], BoxRatios -> Automatic]
```

Out[]= 2 a



In[]:=

(2 e)

```
Plot3D[-x^4-y^4, {x, -5, 5}, {y, -5, 5}, BoxRatios -> {1, 1, 1}]
```

```
Plot3D[-x^4-y^4, {x, -2, 2}, {y, -2, 2},
```

```
RegionFunction -> Function[{x, y, z}, x^2+2y^2 > 1], BoxRatios -> {1, 1, 1}]
```

Out[]:= 2 e

