In[7]:=
```
D[1, x]
```

Out[7]= 0

In[8]:=
```
D[x^n, x]
```

Out[8]= $n\,x^{-1+n}$

In[10]:=
```
D[(a * x)^n, x]
```

Out[10]= $a\,n\,(a\,x)^{-1+n}$

In[11]:=
```
D[Sin[a * x], x]
```

Out[11]= $a\,\text{Cos}[a\,x]$

In[12]:=
```
D[Cos[x] Sin[x^2], x]
```

Out[12]= $2\,x\,\text{Cos}[x]\,\text{Cos}[x^2] - \text{Sin}[x]\,\text{Sin}[x^2]$

In[13]:=
```
D[(4 x^3 + 3 x) / (2 x + 7)]
```

Out[13]= $\frac{3\,x + 4\,x^3}{7 + 2\,x}$

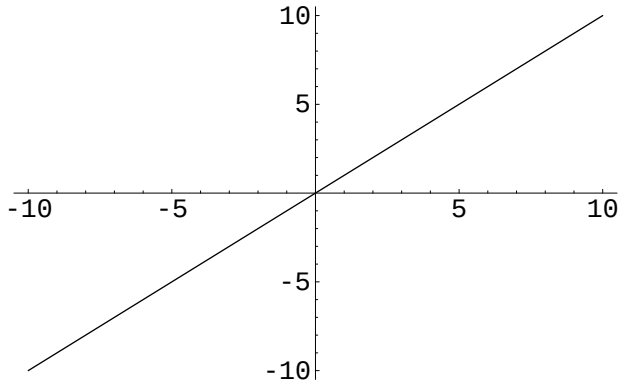
In[15]:=
```
D[e^(4 x^2), x]
```

Out[15]= $8\,e^{4\,x^2}\,x\,\text{Log}[e]$

In[16]:=
```
D[2 x, x]
```

Out[16]= 2

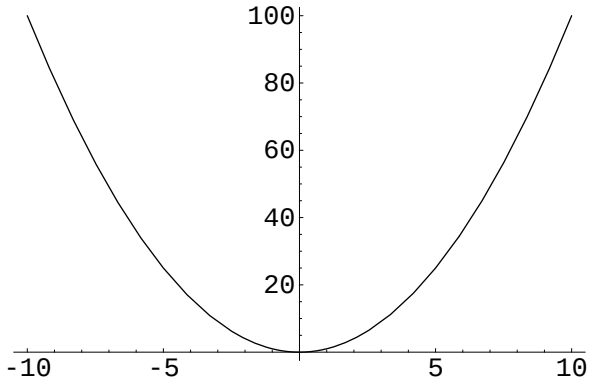
In[17]:=
```
Plot[x, {x, -10, 10}]
```



Out[17]= **-** Graphics **-**

In[18]:=
```
D[x^2, x]
```
Out[18]= 2 x

In[19]:=
```
Plot[x^2, {x, -10, 10}]
```



Out[19]= - Graphics -