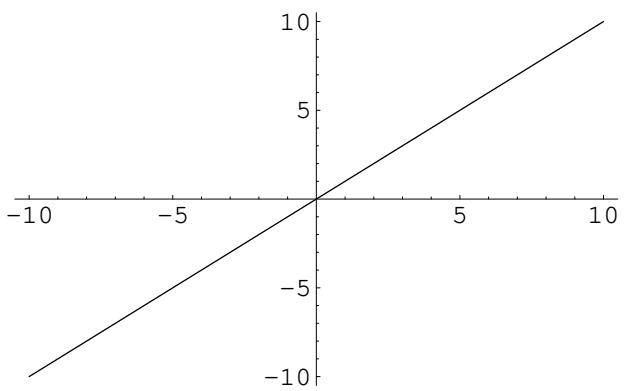
```
In[7]:= D[1, x]

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 Cos[a x]

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

Out[12]= 2 x Cos[x] Cos[x^2] - Sin[x] Sin[x^2]

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

Out[13]=  3 x + 4 x^3
         -------------
          7 + 2 x

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

Out[15]= 8 e^(4 x^2) x Log[e]

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

Out[16]= 2

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

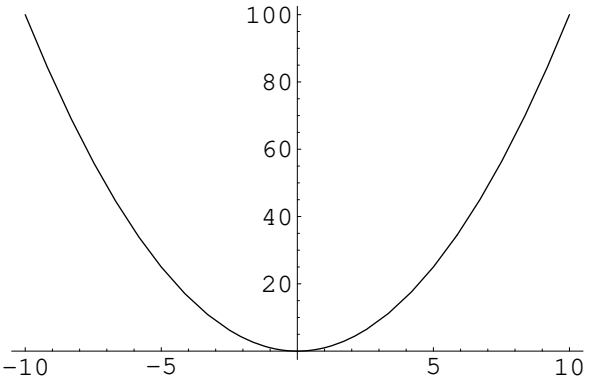



```
Out[17]= - Graphics -
```

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

Out[18]= 2 x

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



Out[19]= - Graphics -