In[20]:=
```
Integrate[x, x]
```

Out[20]=
$$\frac{x^2}{2}$$

In[21]:=
```
Integrate[Cos[x] Sin[x], x]
```

Out[21]=
$$-\frac{1}{2}\,\text{Cos}[x]^2$$

In[23]:=
```
Integrate[(1 + x) / (2 x^3 + x), x]
```

Out[23]=
$$\frac{\text{ArcTan}\left[\sqrt{2}\,x\right]}{\sqrt{2}} + \text{Log}[x] - \frac{1}{2}\,\text{Log}[1 + 2\,x^2]$$

In[24]:=
```
D[ArcTan[Sqrt[2] x]/Sqrt[2] + Log[x] - 1/2 Log[1 + 2 x^2], x]
```

Out[24]=
$$\frac{1}{x} + \frac{1}{1 + 2\,x^2} - \frac{2\,x}{1 + 2\,x^2}$$

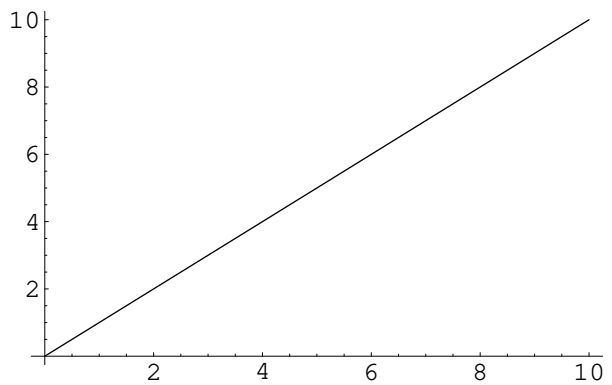
In[29]:=
```
Simplify[1/x + 1/(1 + 2 x^2) - 2 x/(1 + 2 x^2)]
```

Out[29]=
$$\frac{1 + x}{x + 2\,x^3}$$

In[30]:=
```
Integrate[x, {x, 0, 10}]
```

Out[30]=
```
50
```

In[31]:=
```
Plot[x, {x, 0, 10}]
```



Out[31]=
```
- Graphics -
```