

In[1]:= **ArcTan**[**Log**[**E**]] + **Abs**[**Sin**[2 **Pi** / 3 * **Log**[10, 100]]]

$$\text{Out[1]} = \frac{\sqrt{3}}{2} + \frac{\pi}{4}$$

In[2]:= **Sin**[**Cos**[**ArcSin**[**ArcCos**[1 / **Sqrt**[2]]]]]

$$\text{Out[2]} = \text{Sin}\left[\sqrt{1 - \frac{\pi^2}{16}}\right]$$

In[3]:= **Sin**[((5 + **Cos**[**Pi** / 4]) / 2 - **Log**[10, 100.0]) * 3]

In[4]:= **0.5488036846250972`**

Out[4]= 0.548804

In[5]:= **Sin**[((5 + **Cos**[**Pi** / 4]) / 2 - **Log**[10, 100]) * 3]

$$\text{Out[5]} = \text{Sin}\left[3\left(-2 + \frac{1}{2}\left(5 + \frac{1}{\sqrt{2}}\right)\right)\right]$$

In[6]:= **3 ^ (3 ^ 3)**

Out[6]= 7 625 597 484 987

In[7]:= **Power**[3, **Power**[3, 3]]

Out[7]= 7 625 597 484 987

In[8]:= **(3 ^ 3) ^ 3**

Out[8]= 19 683

In[9]:= **Power**[**Power**[3, 3], 3]

Part::partd : Part specification Power[[27, 3]] is longer than depth of object. >>

Out[9]= **Power**[[27, 3]]

In[10]:= **Power**[**Power**[3, 3], 3]

Part::partd : Part specification Power[[27, 3]] is longer than depth of object. >>

Out[10]= **Power**[[27, 3]]

In[11]:= **Power**[**Power**[3, 3], 3]

Out[11]= 19 683

In[12]:= **a = 5**

Out[12]= 5

```
In[13]:= a = 5  
         b = 6  
         a + b
```

```
Out[13]= 5
```

```
Out[14]= 6
```

```
Out[15]= 11
```

```
In[16]:= Clear[a]
```

```
In[17]:= Clear[b]
```

```
In[18]:= a + b
```

```
Out[18]= a + b
```

```
In[19]:= a = 5
```

```
Out[19]= 5
```

```
In[20]:= b = 5
```

```
Out[20]= 5
```

```
In[21]:= a + b
```

```
Out[21]= 10
```

```
In[22]:= a = 5
```

```
Out[22]= 5
```

```
In[23]:= b = 6
```

```
Out[23]= 6
```

```
In[24]:= a + b
```

```
Out[24]= 11
```

```
In[25]:= a = 5  
         b = 6  
         a + b
```

```
Out[25]= 5
```

```
Out[26]= 6
```

```
Out[27]= 11
```

```
In[28]:= N[Pi, 21]
```

```
Out[28]= 3.14159265358979323846
```

```
In[29]:= N[E, 21]
```

```
Out[29]= 2.71828182845904523536
```

In[30]:= **a = 5**

Out[30]= 5

In[31]:= **a = 5**

b = 6

a + b

Out[31]= 5

Out[32]= 6

Out[33]= 11

In[34]:= **Clear[a]**

In[35]:= **Clear[b]**

In[36]:= **Pi**

Out[36]= π

In[37]:= **N[%, 21]**

Out[37]= 3.14159265358979323846

In[38]:= **Clear[Pi]**

N[Pi, 21]

Clear::wrsym : Symbol π is Protected. >>

Out[39]= 3.14159265358979323846

In[40]:= **Clear[Pi]**

Clear::wrsym : Symbol π is Protected. >>

In[41]:= **N[Pi, 21]**

Out[41]= 3.14159265358979323846

In[42]:= **N[E, 21]**

Out[42]= 2.71828182845904523536