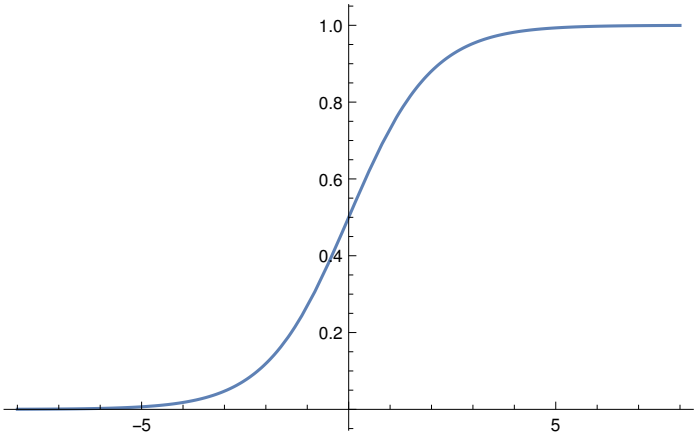
```
Exp[3.4]
```

```
29.9641
```

```
2.71828^3.4
```

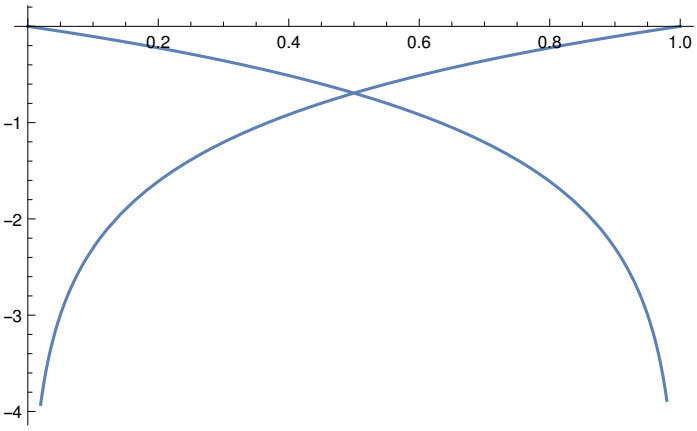
```
29.964
```

```
Plot[1/(1+Exp[-z]), {z, -8, 8}]
```

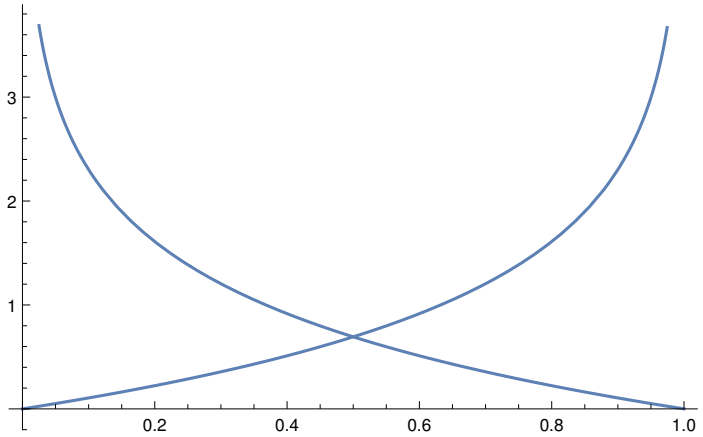


In[6]:=
```
Show[Plot[Log[x], {x, 0, 1}], Plot[Log[1-x], {x, 0, 1}]]
```

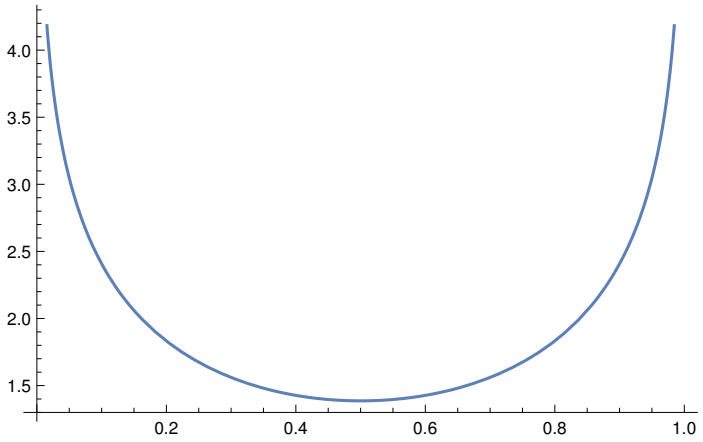
Out[6]=



```
Show[Plot[-Log[x], {x, 0, 1}], Plot[-Log[1-x], {x, 0, 1}]]
```

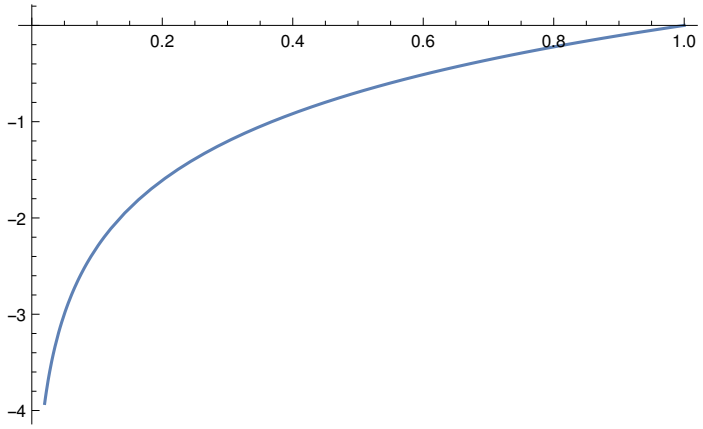



```
Show[Plot[-Log[x] + (-Log[1-x]), {x, 0, 1}]]
```



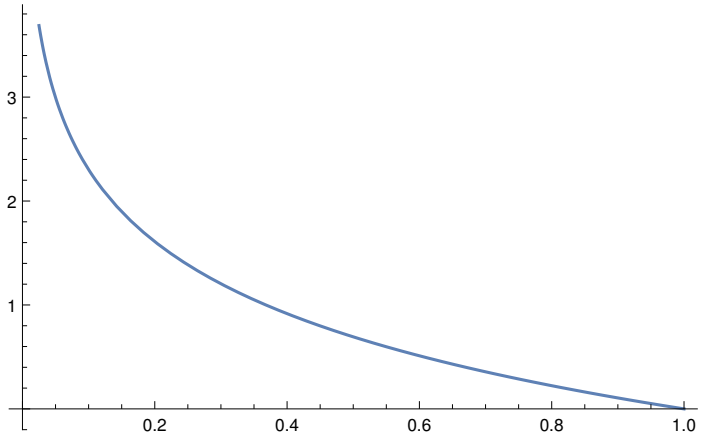
In[3]:=
```
Plot[Log[x], {x, 0, 1}]
```

Out[3]=

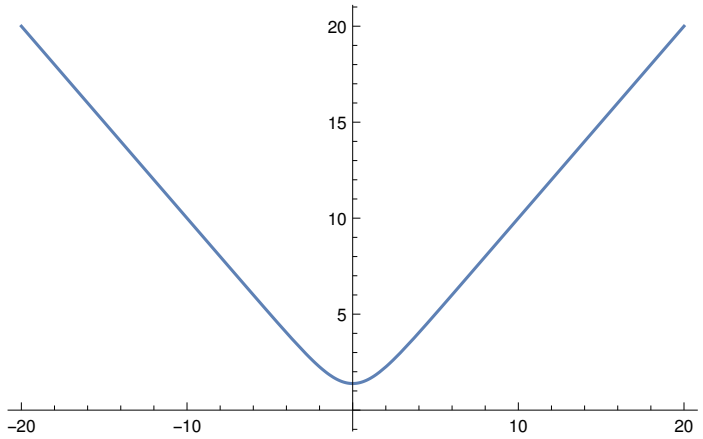


In[4]:=
```
Plot[-Log[x], {x, 0, 1}]
```

Out[4]=

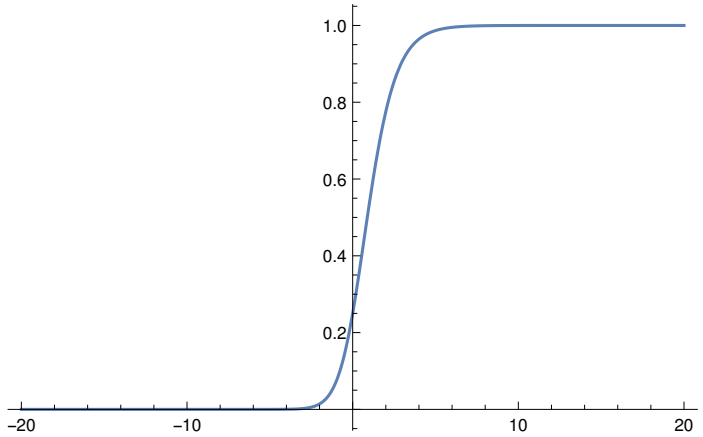



```
Show[Plot[-Log[1 / (1 + Exp[-x])] + (-Log[1 - (1 / (1 + Exp[-x]))]), {x, -20, 20}]]
```



In[2]:=
```
Plot[(1 / (1 + Exp[-x])) * (1 / (1 + Exp[-x])), {x, -20, 20}]
```

Out[2]=




```
Log[2.718282, 1 / (1 + Exp[10.1])]
```

```
-10.1
```