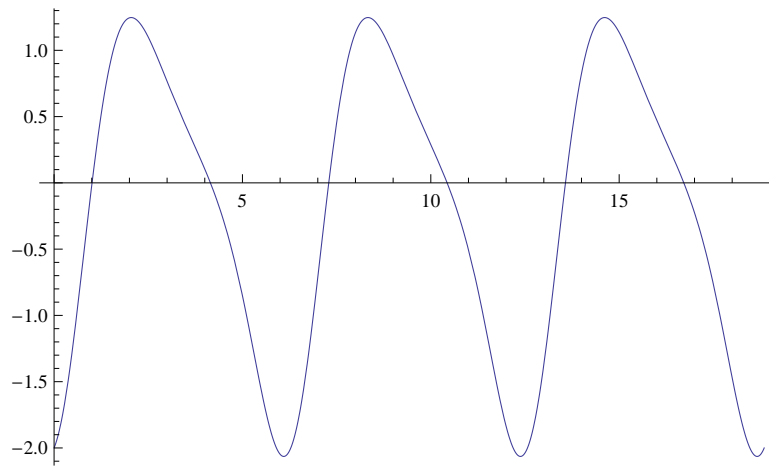


```
f[x_] := 2^(Sin[x]) - 3^(Cos[x])
```

```
Plot[f[x], {x, 0, 6 Pi}]
```



```
RiemannSum[f_, a_, b_] := Sum[f[a + i * ((b - a) / 100)] ((b - a) / 100), {i, 1, 100}]
```

```
RiemannSum[f, 0, 3.0]
```

```
0.768672
```

```
F[x_] := RiemannSum[f, 0.0, x]
```

```
F[3]
```

```
0.768672
```

```
Plot[{f[x], F[x]}, {x, 0, 6 Pi}]
```

