



```
In[38]:= .5 - 1/Pi * Sum[Sin[2 * Pi * k * f[91, x]]/k, {k, 1, Infinity}]
```

```
Plot[%, {x, 1, 4.77}]
```

```
Out[38]= 
$$0.5 - \frac{i \left( 1. \operatorname{Log}\left[1 - 2.71828^{(0. + 6.28319 i)} (91. + x^2)^{0.5}\right] - 1. \operatorname{Log}\left[2.71828^{(0. - 6.28319 i)} (91. + x^2)^{0.5} (-1 + 2.71828^{(0. + 6.28319 i)} (91. + x^2)^{0.5})\right]\right)}{2 \pi}$$

```

