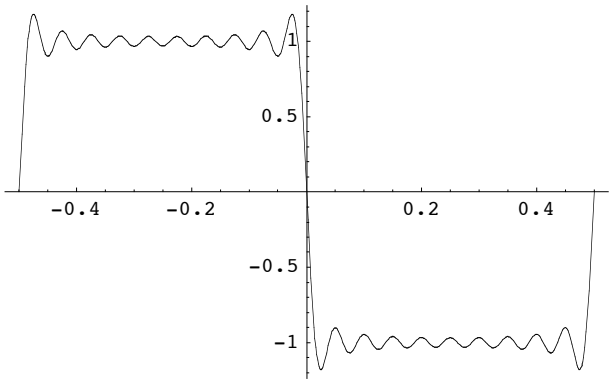
*In[5]:=*
```
s = Sum[ -4 / (Pi n) Sin[2 Pi n x], {n, 1, 20, 2} ]
```

*Out[5]=*
$$-\frac{4\,\text{Sin}[2\pi x]}{\pi}-\frac{4\,\text{Sin}[6\pi x]}{3\pi}-\frac{4\,\text{Sin}[10\pi x]}{5\pi}-\frac{4\,\text{Sin}[14\pi x]}{7\pi}-\frac{4\,\text{Sin}[18\pi x]}{9\pi}-\frac{4\,\text{Sin}[22\pi x]}{11\pi}-\frac{4\,\text{Sin}[26\pi x]}{13\pi}-\frac{4\,\text{Sin}[30\pi x]}{15\pi}-\frac{4\,\text{Sin}[34\pi x]}{17\pi}-\frac{4\,\text{Sin}[38\pi x]}{19\pi}$$

*In[6]:=*
```
Plot[s, {x, -0.5, 0.5} ]
```

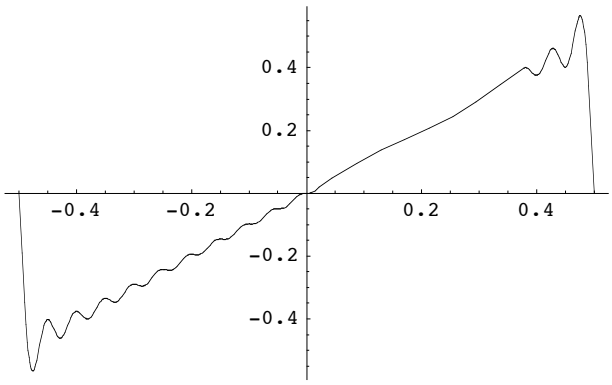



*Out[6]=* - Graphics -

*In[11]:=*
```
s = Sum[ (-1)^(n + 1) 1 / (Pi n) Sin[2 Pi n x], {n, 1, 20} ]
```

*Out[11]=*
$$\frac{\text{Sin}[2\pi x]}{\pi}-\frac{\text{Sin}[4\pi x]}{2\pi}+\frac{\text{Sin}[6\pi x]}{3\pi}-\frac{\text{Sin}[8\pi x]}{4\pi}+\frac{\text{Sin}[10\pi x]}{5\pi}-\frac{\text{Sin}[12\pi x]}{6\pi}+\frac{\text{Sin}[14\pi x]}{7\pi}-\frac{\text{Sin}[16\pi x]}{8\pi}+\frac{\text{Sin}[18\pi x]}{9\pi}-\frac{\text{Sin}[20\pi x]}{10\pi}+\frac{\text{Sin}[22\pi x]}{11\pi}-\frac{\text{Sin}[24\pi x]}{12\pi}+\frac{\text{Sin}[26\pi x]}{13\pi}-\frac{\text{Sin}[28\pi x]}{14\pi}+\frac{\text{Sin}[30\pi x]}{15\pi}-\frac{\text{Sin}[32\pi x]}{16\pi}+\frac{\text{Sin}[34\pi x]}{17\pi}-\frac{\text{Sin}[36\pi x]}{18\pi}+\frac{\text{Sin}[38\pi x]}{19\pi}-\frac{\text{Sin}[40\pi x]}{20\pi}$$

*In[12]:=*
```
Plot[s, {x, -1 / 2, 1 / 2} ]
```




*Out[12]=* - Graphics -