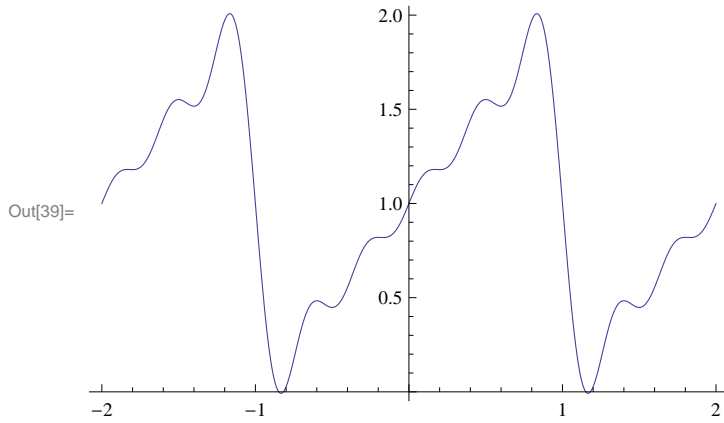


```

In[33]:= n = 5;
L = 2;
a0 = 2;
an = 0;
bn = (-1)^(i+1) * 2 / i / Pi;
F = a0 / 2 + Sum[an * Cos[2 * Pi * i * x / L], {i, n}] + Sum[bn * Sin[2 * Pi * i * x / L], {i, n}];
Plot[F, {x, -2, 2}]

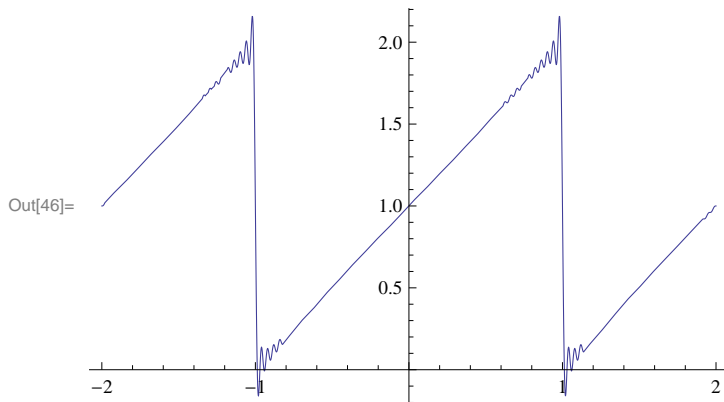
```



```

In[40]:= n = 50;
L = 2;
a0 = 2;
an = 0;
bn = (-1)^(i+1) * 2 / i / Pi;
F = a0 / 2 + Sum[an * Cos[2 * Pi * i * x / L], {i, n}] + Sum[bn * Sin[2 * Pi * i * x / L], {i, n}];
Plot[F, {x, -2, 2}]

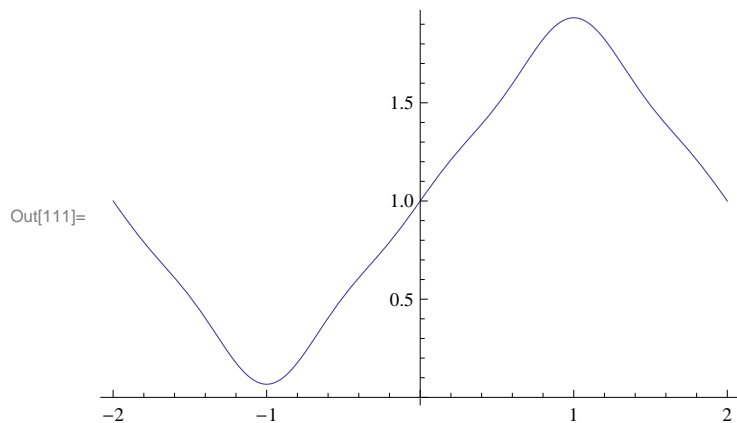
```



```

In[105]:= n = 5;
          L = 4;
          a0 = 2;
          an = 0;
          bn = 8 / i2 / (Pi)2 * (Sin[i * Pi / 2])3;
          F = a0 / 2 + Sum[an * Cos[2 * Pi * i * x / L], {i, n}] + Sum[bn * Sin[2 * Pi * i * x / L], {i, n}];
          Plot[F, {x, -2, 2}]

```



```

In[98]:= n = 50;
          L = 4;
          a0 = 2;
          an = 0;
          bn = 8 / i2 / (Pi)2 * (Sin[i * Pi / 2])3;
          F = a0 / 2 + Sum[an * Cos[2 * Pi * i * x / L], {i, n}] + Sum[bn * Sin[2 * Pi * i * x / L], {i, n}];
          Plot[F, {x, -2, 2}]

```

