In[13]:=
```
ClearAll;
Gaussian[a0_, b0_] :=
  Module[{a = N[a0], b = N[b0]},
  If[a == -1 && b == 1,
  Print["Answer = ", N[f[-1 / Sqrt[3]] + f[1 / Sqrt[3] ]]],
  g[x_] := f[(a + b) / 2 + (b - a) * x / 2];
  T = ((b - a) / 2) * (g[-1 / Sqrt[3]] + g[1 / Sqrt[3]]);
  Print["Answer = ", T]
  ];
  ];
 Gaussian[0, 1];
 f[x_] := 1 / (1 + x);
```

```
Answer = 0.692308
```

In[21]:=
```
Gaussian[0, 2];
f[x_] := 1 / x;
```

```
Answer = 3.
```

In[63]:=
```
Gaussian[0, 2];
f[x_] := Exp[-1 * x ^ 2];
```

```
Answer = 0.919486
```

In[55]:=
```
Gaussian[0, 1];
f[x_] := 1 / (1 + x ^ 2);
```

```
Answer = 0.786885
```