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In[1]:= f[x_] := (1 + .927 * Cos[x - (278 / 360) * 2 * Pi]) ^ -2
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In[2]:= f[x]
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Out[2]=
$$\frac{1}{\left(1 + 0.927 \sin\left[\frac{2\pi}{45} - x\right]\right)^2}$$

```
In[3]:= Integrate[f[x], x]
```

Out[3]=
$$\frac{(-37.9073 + 0. i) \operatorname{ArcTan}[(2.44754 + 0. i) - (2.32225 + 0. i) \tan[0.5 x]] + 392.065 + (0. + 0. i) \cos[x] - 367.016 \sin[x]}{7.75113 + (1. + 0. i) \cos[x] - (7.11537 + 0. i) \sin[x]}$$

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In[4]:= g[x_] := %3
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In[6]:= Plot[g[x], {x, 0, 4 * Pi}]
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