

In[6]:= **A[z_] = (1/2) z + 1**

Out[6]= $1 + \frac{z}{2}$

In[7]:= **Solve[A[z] == 0]**

Out[7]= $\{ \{ z \rightarrow -2 \} \}$

In[8]:= **funcz[z_] = 1 / (A[z] × A[1/z])**

Out[8]= $\frac{1}{\left(1 + \frac{1}{2z}\right) \left(1 + \frac{z}{2}\right)}$

In[9]:= **funcf[f_] = funcz[Exp[I f]]**

Out[9]= $\frac{1}{\left(1 + \frac{e^{-i f}}{2}\right) \left(1 + \frac{e^{i f}}{2}\right)}$

In[10]:= **Integrate[funcf[f], {f, 0, 2 Pi}]**

Out[10]= $\frac{8 \pi}{3}$