

In[1]:= **y = x ^ (2 / 3)**

Out[1]= $x^{2/3}$

In[2]:= **s = Integrate [2 Pi y Sqrt [1 + D [y, x] ^ 2], {x, 0, 1}]**

Out[2]=
$$\frac{2 \left(64 + 247 \sqrt{13} \right) \pi}{1215}$$

In[3]:= **N [s]**

Out[3]= **4.93642**