$$y(\gamma(\frac{3}{4}\pi)) = \log(r) + \frac{3}{4}\pi i$$

$$y(\gamma(t)) = \int_{\gamma[0,t]} \frac{1}{z} dz$$

$$y(r) = \log(r)$$

$$y(r) = \log(r)$$

$$y(\gamma(\frac{119}{60}\pi)) = \log(r) + \frac{119}{60}\pi i$$