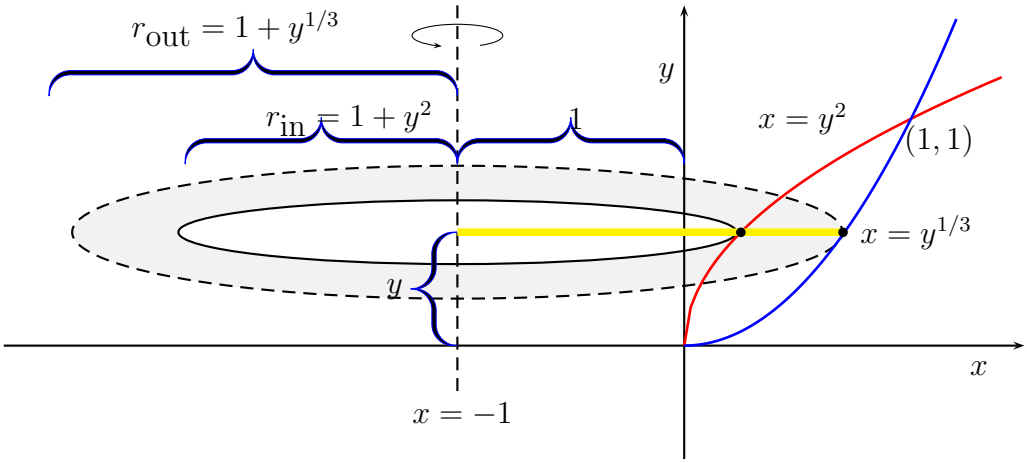
$r_{\text{out}} = 1 + y^{1/3}$
$r_{\text{in}} = 1 + y^2$
1
y
$x = y^2$
$(1, 1)$
$x = y^{1/3}$
y
x
$x = -1$