Σεπ 2023

a) $I = p \cdot V = \frac{300}{1000} \cdot \pi \cdot 3^2 \simeq 8.482 \simeq 8.5$

$\delta I = V\sqrt{p - p^2}/\sqrt{N} = \pi \cdot 3^2 \sqrt{0.3 - 0.3^2}/\sqrt{1000} = 0.4$

b)
```
for i in range(N):
    x = 6·U() - 3
    y = 4·U()
```

ευθύγραμμα
$x = 3U() - 3$
$y = 4U()$

ευθύγραμμα
$x = 8U() - 4$
$y = 6U()$

if $x^2 + (y-3)^2 < 3^2$ and $(x+2)^2 + (y-2)^2 < 2^2$:

    accept (x,y)