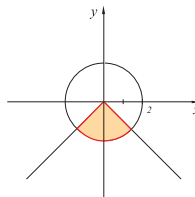


Zadatak 7. Odredi površinu dijela ravnine određenog sustavom nejednadžbi:

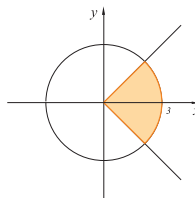
$$1) \begin{cases} x^2 + y^2 \leq 4, \\ |x| + y \leq 0; \end{cases} \quad 2) \begin{cases} x^2 + y^2 \leq 9, \\ |x| - y \geq 0. \end{cases}$$

Rješenje. 1)



$$P = \frac{r^2 \pi \alpha}{360^\circ} = \frac{4 \cdot \pi 0^\circ}{360^\circ} = \pi$$

2)



$$P = 2 \frac{r^2 \pi \alpha}{360^\circ} = 2 \frac{9 \pi 5^\circ}{360^\circ} = \frac{9}{4} \pi.$$