

**Zadatak 69.** Grafički prikaži skup točaka  $T(x, y)$  ravnine određenih uvjetima  $y \leq \sqrt{1 - |x|}$ ,  $y \geq 0$ .

*Rješenje.*

$$y \leq \underbrace{\sqrt{1 - |x|}}_{\geq 0}, \quad y \geq 0, \quad x \in [-1, 1]$$

$$x \in [-1, 0]$$

$$y \leq \sqrt{1 + x} \quad /^2$$

$$y^2 \leq x + 1$$

$$\Rightarrow T_1(-1, 0)$$

$$p_1 = \frac{1}{2}$$

$$F_1\left(-1 + \frac{1}{4}, 0\right), \quad F_1\left(-\frac{3}{4}, 0\right)$$

$$x \in [0, 1]$$

$$y \leq \sqrt{1 - x} \quad /^2$$

$$y^2 \leq -(x - 1)$$

$$\Rightarrow T_2(1, 0)$$

$$p_2 = -\frac{1}{2}$$

$$F_2\left(1 - \frac{1}{4}, 0\right), \quad F_2\left(\frac{3}{4}, 0\right)$$

