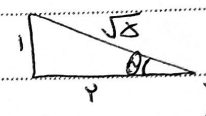


تبدیل مختصات قطبی

$$S = \frac{1}{2} \times r \times r \times \sin(110^\circ) \times \left(\frac{\sqrt{3}}{r}\right) \times r = \boxed{6\sqrt{3}} \quad (6)$$

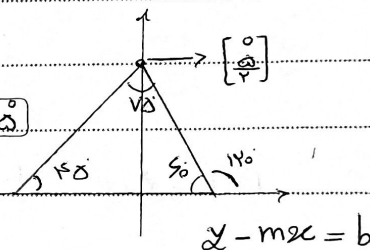
$$S = \frac{1}{2} \times r \times r \times \sin(110^\circ) \times \left(\frac{\sqrt{3}}{r}\right) = \boxed{3\sqrt{3}} \quad (7)$$

$$\text{شیب} = \tan \theta = \frac{y_2 - y_1}{x_2 - x_1} = \frac{4 - 2}{3 + 1} = \frac{2}{4} = \frac{1}{2} \rightarrow$$



$$\cos \theta = \frac{2}{\sqrt{5}} = \boxed{\frac{2\sqrt{5}}{5}} \quad (7)$$

$$2y - 2x = 5 \rightarrow \frac{-a}{b} = +1 = \tan \theta \Rightarrow \theta = 45^\circ$$



$$b = \frac{5}{2} - 0 \Rightarrow \boxed{b = \frac{5}{2}}$$

$$m \times b = \frac{a}{r} \times \sqrt{3} = \boxed{\frac{5\sqrt{3}}{2}}$$

$$\tan 110^\circ = \frac{\sqrt{3}}{1} = -\left(\frac{-m}{1}\right) \Rightarrow m = \sqrt{3}$$

$$\cos\left(\pi + \frac{5\pi}{5}\right) + \sin\left(\frac{\pi}{2} - \frac{5\pi}{5}\right) - \tan\left(\frac{3\pi}{2} + \frac{5\pi}{5}\right) =$$

$$\frac{11\pi}{5} = 396^\circ$$

$$\frac{-\pi}{5} = -36^\circ$$

$$\frac{11\pi}{5} = 396^\circ$$

$$\left(\frac{\sqrt{3}}{2}\right) + \left(-\frac{\sqrt{3}}{2}\right) - \left(-\frac{\sqrt{3}}{2}\right) = \boxed{\frac{\sqrt{3}}{2}} \quad (9)$$

$$\frac{+\cos x + (-\sin x)}{-\cos x - (-\sin x)} = \boxed{-1}$$

$$\text{ضرایب } \frac{\pi}{4} \text{ Sin و Cos و برکلی تبدیل شود} \quad (10)$$