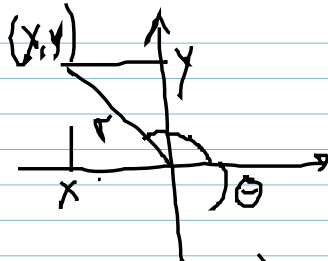


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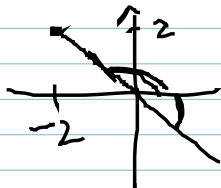
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$$r^2 = x^2 + y^2 \quad \tan \theta = \frac{y}{x}$$

$$r = \pm \sqrt{x^2 + y^2} \quad \theta = \begin{cases} \tan^{-1}\left(\frac{y}{x}\right) \\ \tan^{-1}\left(\frac{y}{x}\right) + \pi \end{cases}$$



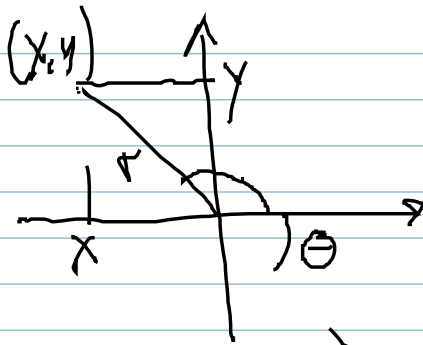
$$r^2 = 2^2 + 2^2 = 8$$

$$\theta = \tan^{-1}\left(\frac{-2}{-2}\right) = -\frac{\pi}{4}$$

$$\left| -\frac{\pi}{4} + \pi \right| = \frac{3\pi}{4}$$

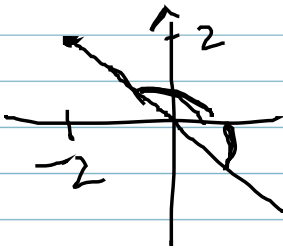
$$(2\sqrt{2}, \frac{3\pi}{4})_{\text{pol}}$$

$$(-2\sqrt{2}, -\frac{\pi}{4})_{\text{pol}}$$



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$$\left\{ \begin{array}{l} -\frac{\pi}{4} + \pi = \frac{3\pi}{4} \end{array} \right.$$

$$(2\sqrt{2}, \frac{3\pi}{4})_{\text{pol}}$$

$$(-2\sqrt{2}, -\frac{\pi}{4})_{\text{pol}}$$