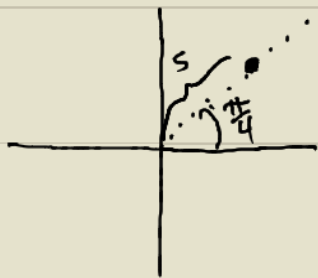


$$6. \begin{pmatrix} 5, \frac{\pi}{4} \\ r \quad \theta \end{pmatrix}$$



$$a) r > 0, -2\pi \leq \theta < 0$$

$$(5, \frac{\pi}{4} - 2\pi) = \boxed{(5, -\frac{7\pi}{4})}$$

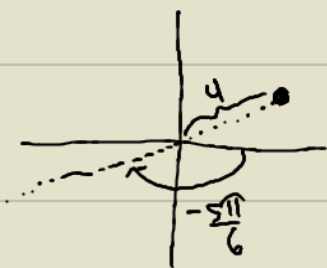
$$b) r < 0, 0 \leq \theta < 2\pi$$

$$(-5, \frac{\pi}{4} + \pi) = \boxed{(-5, \frac{5\pi}{4})}$$

$$c) r > 0, 2\pi \leq \theta < 4\pi$$

$$(5, \frac{\pi}{4} + 2\pi) = \boxed{(5, \frac{9\pi}{4})}$$

$$7. \begin{pmatrix} -4, -\frac{5\pi}{6} \end{pmatrix}$$



$$a) r > 0, -2\pi \leq \theta < 0$$

$$(4, -\frac{5\pi}{6} - \pi) = \boxed{(4, -\frac{11\pi}{6})}$$

$$b) r < 0, 0 \leq \theta < 2\pi$$

$$\boxed{(-4, \frac{7\pi}{6})}$$

$$c) r > 0, 2\pi \leq \theta < 4\pi$$

$$(4, \frac{\pi}{6} + 2\pi) = \boxed{(4, \frac{13\pi}{6})}$$