



$$\begin{aligned} \angle QPR &= \pi - \frac{\pi}{2} - \angle OPX \\ &= \angle POX = \theta \end{aligned}$$

$$\therefore PR = PQ \cos \theta = PQ \cdot \frac{x}{r}$$

$$QR = PQ \sin \theta = PQ \cdot \frac{y}{r}$$

□ 4-2