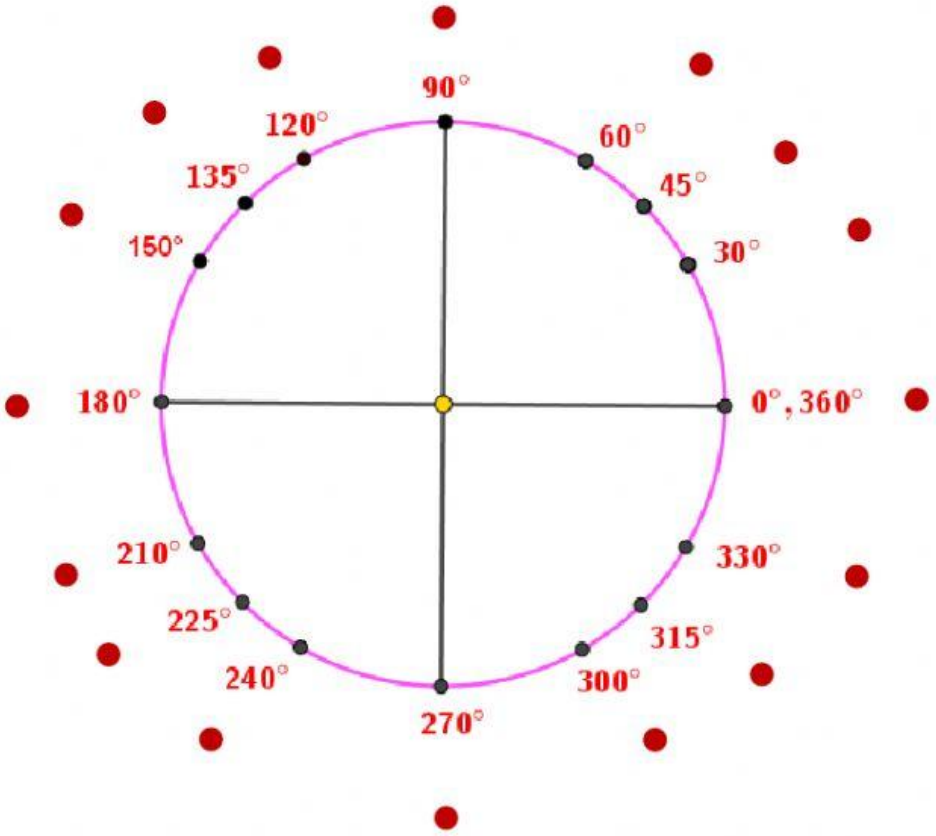
ชื่อ เลขที่

# วงกลม 1 หน่วยกับอัตราส่วนตรีโกณมิติ

**<u>คำชี้แจง</u> : จงบอกค่ามุมในรูปของมุมเรเดียนให้ถูกต้อง**

$\frac{\pi}{6}$ $\frac{2\pi}{3}$ $\frac{5\pi}{4}$ $\frac{4\pi}{3}$ $\frac{7\pi}{6}$ $\frac{\pi}{4}$ $\pi$ $\frac{7\pi}{4}$

$\frac{5\pi}{3}$ $\frac{11\pi}{6}$ $\frac{\pi}{2}$ $\frac{5\pi}{6}$ $\frac{\pi}{3}$ $\frac{3\pi}{4}$ $\frac{3\pi}{2}$ $2\pi$

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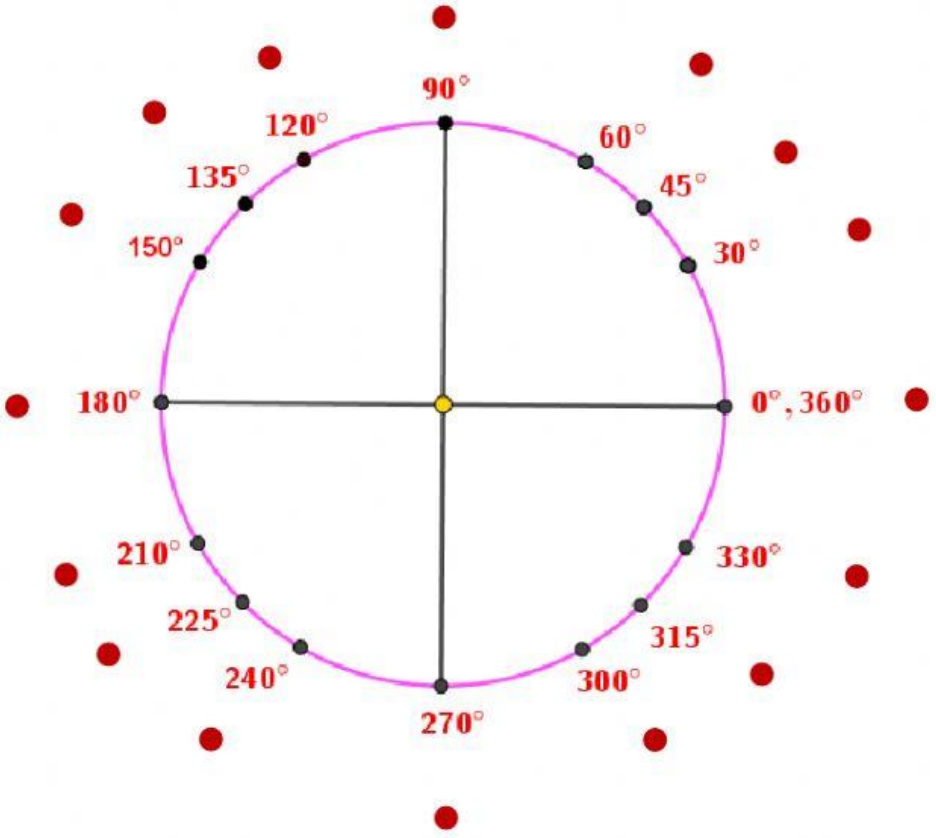
**คำชี้แจง : จงบอกค่า $(\cos\theta,\sin\theta)$ ของมุมต่อไปนี้ให้ถูกต้อง**

| | | | |
|---|---|---|---|
| $(\frac{\sqrt{3}}{2},\frac{1}{2})$ | $(-\frac{\sqrt{2}}{2},-\frac{\sqrt{2}}{2})$ | $(\frac{1}{2},\frac{\sqrt{3}}{2})$ | $(-\frac{1}{2},\frac{\sqrt{3}}{2})$ |
| $\left(\frac{1}{2},-\frac{\sqrt{3}}{2}\right)$ | $(-\frac{\sqrt{3}}{2},-\frac{1}{2})$ | $(\frac{\sqrt{2}}{2},\frac{\sqrt{2}}{2})$ | $(-1,0)$ |
| $(0,1)$ | $(1,0)$ | $(\frac{\sqrt{3}}{2},-\frac{1}{2})$ | $(0,-1)$ |
| $(-\frac{\sqrt{3}}{2},\frac{1}{2})$ | $\left(-\frac{\sqrt{2}}{2},\frac{\sqrt{2}}{2}\right)$ | $(-\frac{1}{2},-\frac{\sqrt{3}}{2})$ | $(\frac{\sqrt{2}}{2},-\frac{\sqrt{2}}{2})$ |

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