

แบบฝึกหัด

เรื่อง การหาค่าของฟังก์ชันตรีโกณมิติของมุมหรือจำนวนจริง

ชื่อ.....ชั้น ม.5/.....เลขที่.....

คำชี้แจง ให้นักเรียนลากคำตอบมาใส่หน้าข้อให้ถูกต้อง

<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $1) \cos \frac{4\pi}{3} + \sin \frac{7\pi}{6} - \sqrt{3} \cos \frac{4\pi}{3}$ </div> <p>.....</p>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> $\frac{3}{2}$ </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $2) \sin \frac{7\pi}{4} \cos \frac{9\pi}{4} \sin \frac{11\pi}{6} \cos \frac{5\pi}{6}$ </div> <p>.....</p>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> 0 </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $3) \frac{3}{4} \cos \frac{11\pi}{6} \sin \frac{25\pi}{3} \cos \frac{100\pi}{3} \cos \frac{91\pi}{3}$ </div> <p>.....</p>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> $-\frac{1}{\sqrt{3}}$ </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $4) \sin^2\left(-\frac{4\pi}{3}\right) + \cos^2\left(-\frac{5\pi}{6}\right)$ </div> <p>.....</p>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> $\frac{2\sqrt{2} - \sqrt{3}}{2 - \sqrt{3}}$ </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $5) \cos\left(-\frac{11\pi}{4}\right) \cos\left(-\frac{2\pi}{3}\right) \sin \frac{5\pi}{6} \sin \frac{4\pi}{3}$ </div> <p>.....</p>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> $\frac{14}{3}$ </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $6. \left(\sin^2 \frac{\pi}{3} + \cos^2 \frac{\pi}{3}\right) - 1$ </div>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> $-\frac{\sqrt{3}}{8}$ </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $7. \frac{\sqrt{3} \sin \frac{5\pi}{3} + 2 \tan \frac{5\pi}{4}}{\cos \frac{5\pi}{6}}$ </div>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> 2 </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $8. \frac{\sec^2(-45^\circ) + \tan^2(330^\circ)}{\sin(150^\circ)}$ </div>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> $-\frac{9}{64}$ </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $9. \frac{\tan\left(-\frac{5\pi}{4}\right) + 2}{1 + \sin \frac{7\pi}{6}}$ </div>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> $-\frac{\sqrt{6}}{16}$ </div>
<div style="border: 1px solid #FFB6C1; padding: 5px; margin-bottom: 10px;"> $10. \frac{\operatorname{cosec}(135^\circ) + \sin(300^\circ)}{1 + \cos(-150^\circ)}$ </div>	<div style="border: 1px solid black; padding: 10px; width: 80px; margin: 0 auto;"> $\frac{-2 + \sqrt{3}}{2}$ </div>