



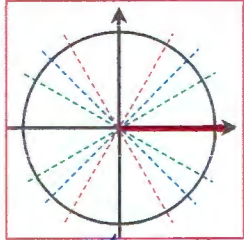
ชื่อ-นามสกุล .....

แบบฝึกหัด ตรีโกณมิติ

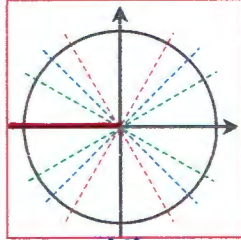
เลขประจำตัว ID 3

จงเขียนมุมในข้อ T01 ถึง T20 ในตำแหน่งมาตรฐาน

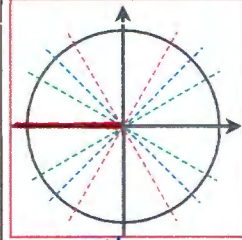
T01.  $4\pi > 0$



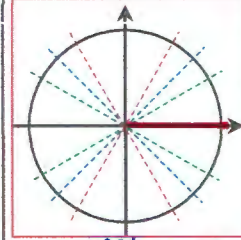
T02.  $9\pi > \pi$



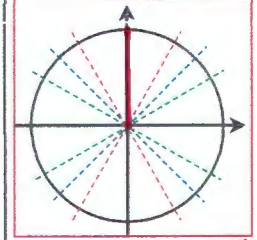
T03.  $-5\pi > \pi$



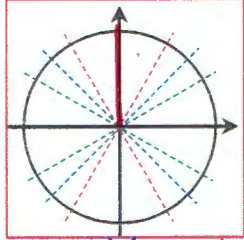
T04.  $-2\pi > 0$



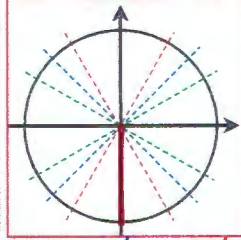
T05.  $-\frac{15\pi}{2} > \frac{\pi}{2}$



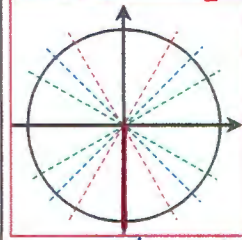
T06.  $\frac{5\pi}{2} > \frac{\pi}{2}$



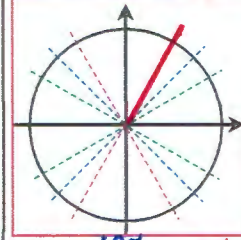
T07.  $-\frac{13\pi}{2} > \frac{3\pi}{2}$



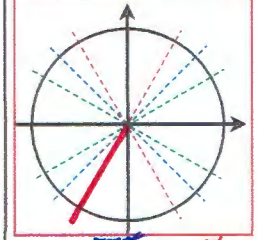
T08.  $\frac{31\pi}{2} > \frac{3\pi}{2}$



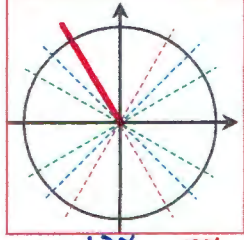
T09.  $\frac{13\pi}{3} > \frac{\pi}{3}$



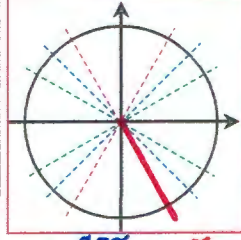
T10.  $-\frac{20\pi}{3} > \frac{4\pi}{3}$



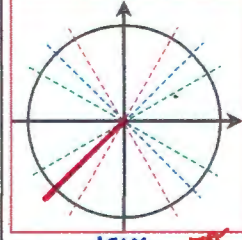
T11.  $-\frac{46\pi}{3} > \frac{2\pi}{3}$



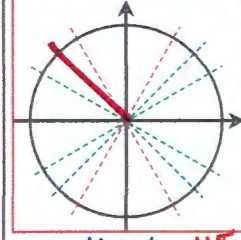
T12.  $\frac{41\pi}{3} > \frac{5\pi}{3}$



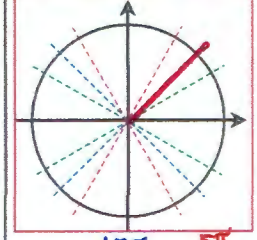
T13.  $-\frac{75\pi}{4} > \frac{5\pi}{4}$



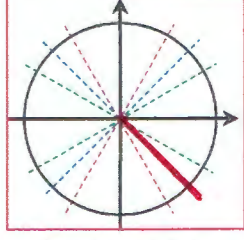
T14.  $-\frac{69\pi}{4} > \frac{3\pi}{4}$



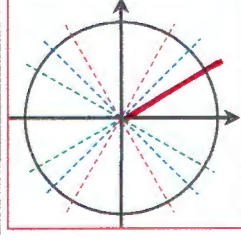
T15.  $\frac{57\pi}{4} > \frac{\pi}{4}$



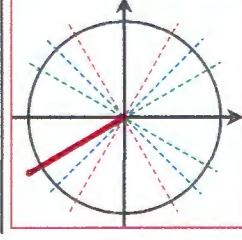
T16.  $\frac{63\pi}{4} > \frac{7\pi}{4}$



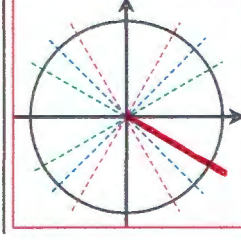
T17.  $\frac{85\pi}{6} > \frac{\pi}{6}$



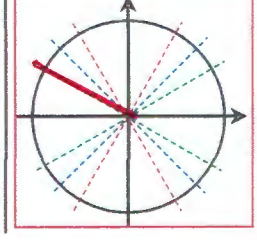
T18.  $-\frac{101\pi}{6} > \frac{7\pi}{6}$



T19.  $\frac{143\pi}{6} > \frac{11\pi}{6}$

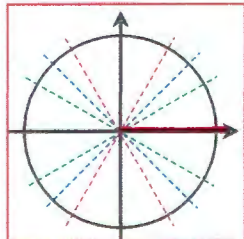


T20.  $-\frac{67\pi}{6} > \frac{5\pi}{6}$

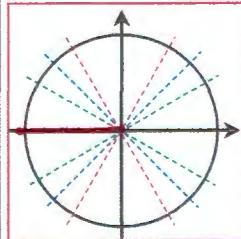


ข้อ T21 ถึง T44 จงหาค่าตรีโกณมิติ

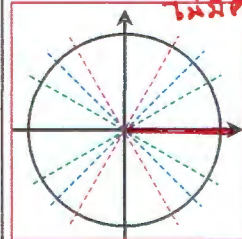
T21.  $\sin(6\pi) = 0$



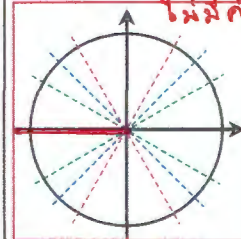
T22.  $\cos(-7\pi) = -1$



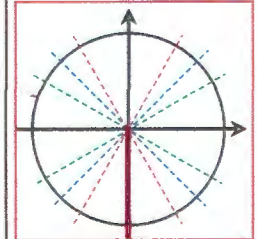
T23.  $\csc(6\pi) =$   
*ไม่มีค่า*



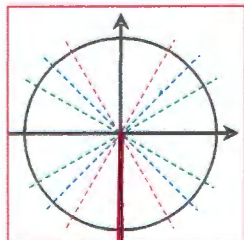
T24.  $\cot(9\pi) =$   
*ไม่มีค่า*



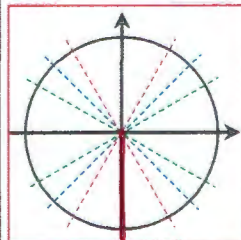
T25.  $\sin(-\frac{29\pi}{2}) = -1$



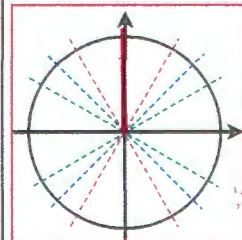
T26.  $\cos(-\frac{17\pi}{2}) = 0$



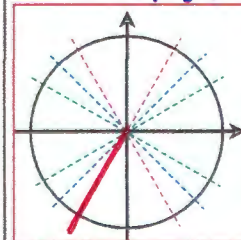
T27.  $\cot(-\frac{9\pi}{2}) = 0$



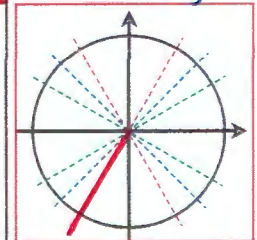
T28.  $\csc(\frac{17\pi}{2}) = 1$



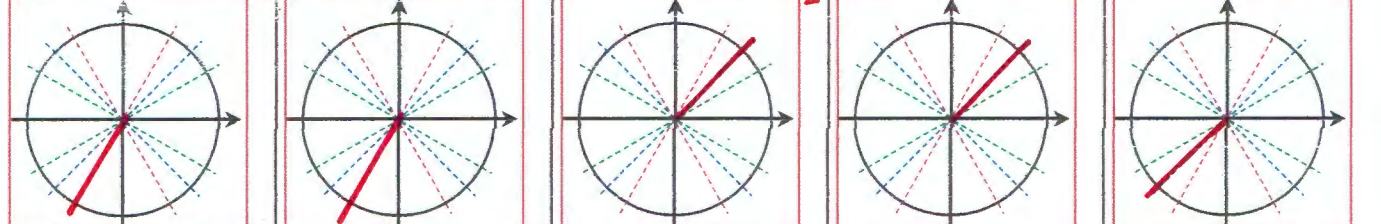
T29.  $\cos(\frac{52\pi}{3}) = -\frac{1}{2}$



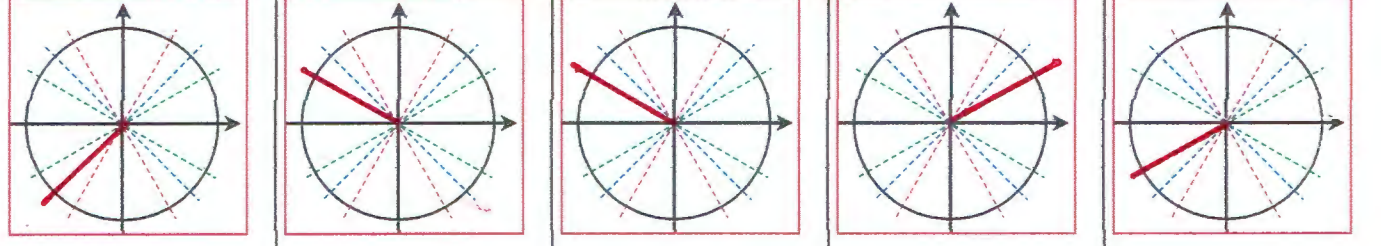
T30.  $\sin(\frac{28\pi}{3}) = -\frac{\sqrt{3}}{2}$



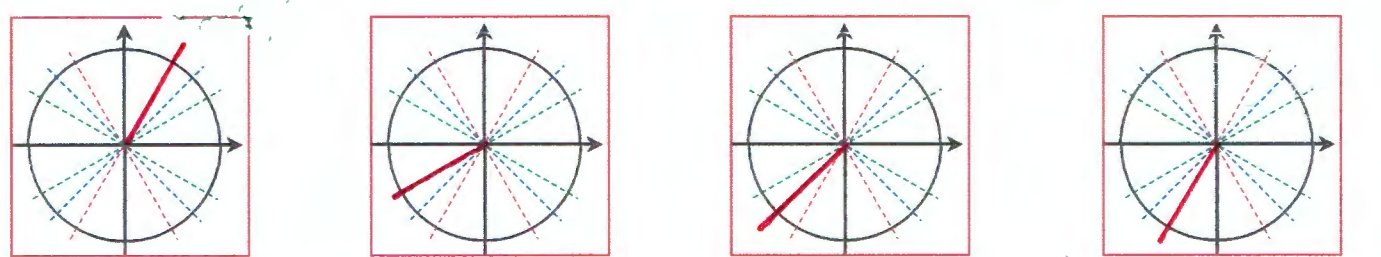
T31.  $\csc(-\frac{20\pi}{3}) = -\frac{2\sqrt{3}}{3}$  T32.  $\sec(\frac{4\pi}{3}) = -2$  T33.  $\sin(\frac{49\pi}{4}) = \frac{\sqrt{2}}{2}$  T34.  $\cos(\frac{41\pi}{4}) = \frac{\sqrt{2}}{2}$  T35.  $\cot(\frac{21\pi}{4}) = 1$



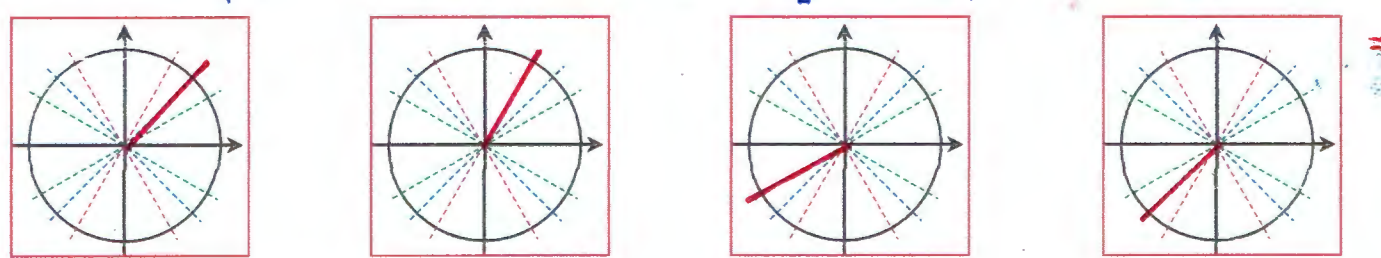
T36.  $\sec(-\frac{67\pi}{4}) = -\sqrt{2}$  T37.  $\sin(-\frac{65\pi}{6}) = -\frac{1}{2}$  T38.  $\cos(-\frac{77\pi}{6}) = -\frac{\sqrt{3}}{2}$  T39.  $\csc(\frac{97\pi}{6}) = 2$  T40.  $\cot(-\frac{101\pi}{6}) = \sqrt{3}$



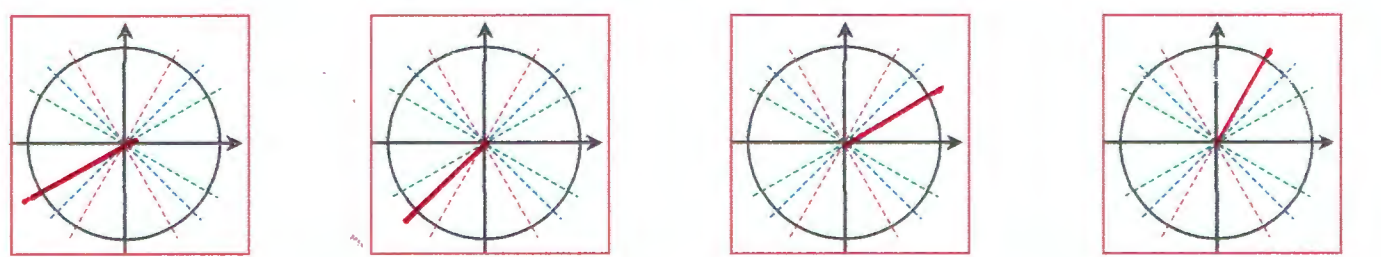
T41.  $27 \tan(\frac{25\pi}{3}) \sec(-\frac{29\pi}{6}) - 30 \cot(-\frac{27\pi}{4}) \cos(-\frac{38\pi}{3}) = 27(\sqrt{3})(-\frac{2\sqrt{3}}{3}) - 30(1)(-\frac{1}{2}) = -39$



T42.  $3 \cot(-\frac{95\pi}{4}) - 4\sqrt{3} \sin(\frac{25\pi}{3}) - 2\sqrt{3} \cos(\frac{43\pi}{6}) + \frac{3\sqrt{2}}{2} \csc(-\frac{19\pi}{4}) = 3(1) - 4\sqrt{3}(\frac{\sqrt{3}}{2}) - 2\sqrt{3}(-\frac{\sqrt{3}}{2}) + \frac{3\sqrt{2}}{2}(-\frac{1}{\sqrt{2}}) = -3$



T43.  $6 \sin(\frac{79\pi}{6}) - \sqrt{2} \sec(-\frac{67\pi}{4}) \csc(\frac{37\pi}{6}) \sqrt{3} \tan(\frac{49\pi}{3}) = 6(-\frac{1}{2}) - \sqrt{2}(-\sqrt{2})(2\sqrt{3})(\sqrt{3}) = 9$



T44.  $\sqrt{3} \cot(\frac{85\pi}{6}) - 10 \cos(-\frac{23\pi}{3}) + 4\sqrt{2} \sec(-\frac{71\pi}{4}) \sin(-\frac{59\pi}{6}) = \sqrt{3}(\sqrt{3}) - 10(\frac{1}{2}) + 4\sqrt{2}(\sqrt{2})(\frac{1}{2}) = 2$

