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Question 1 ♣	Solve the equation sin	$x = 0  (0 \le x)$	$\leq 2\pi$ ).		
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Question 2 $\clubsuit$	Solve the equation sin	$x = -\frac{1}{2} \left( 0 \le \right.$	$x \le 2\pi$ ).		
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{ccccc}  & \frac{\pi}{6} & & \bigcirc & \frac{\pi}{4} \\  & \bigcirc & \pi & & \blacksquare & \frac{7}{6}\pi \\  & \blacksquare & \frac{11}{6}\pi & & \bigcirc \end{array} $	$ \begin{array}{ccc}  & \frac{\pi}{3} \\  & \frac{5}{4}\pi \\ 2\pi & \bigcirc \end{array} $	$ \bigcirc \frac{\pi}{2} \qquad \bigcirc \\ \bigcirc \frac{4}{3}\pi $ None of these an	$\frac{\frac{2}{3}\pi}{\bigcirc \frac{3}{2}\pi} \bigcirc \frac{\frac{3}{4}\pi}{\bigcirc}$ swers are correct.	$ au$ $ frac{5}{3}π$
	Solve the equation cos				
$ \begin{array}{ccc} \bullet & 0 \\ \bigcirc & \frac{5}{6}\pi \\ \bigcirc & \frac{7}{4}\pi \end{array} $	$ \begin{array}{ccccc}  & \frac{\pi}{6} & & \bigcirc & \frac{\pi}{4} \\  & & \pi & & \bigcirc & \frac{7}{6}\pi \\  & & \bigcirc & \frac{11}{6}\pi & & \blacksquare \end{array} $	$ \begin{array}{ccc}  & \frac{\pi}{3} \\  & \frac{5}{4}\pi \\ 2\pi & \bigcirc \end{array} $	$ \bigcirc \frac{\pi}{2} \qquad \bigcirc \\ \bigcirc \frac{4}{3}\pi $ None of these an	$\frac{\frac{2}{3}\pi}{\bigcirc \frac{3}{4}}\pi$ $\bigcirc \frac{3}{2}\pi$ $\bigcirc \text{swers are correct.}$	$rac{5}{3}\pi$
Question $4 \clubsuit$	Solve the equation cos	$3x = -\frac{1}{2} \left(0 \le \right)$	$x \leq 2\pi$ ).		
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{ccccc}  & \frac{\pi}{6} & & \bigcirc & \frac{\pi}{4} \\  & \bigcirc & \pi & & \bigcirc & \frac{7}{6}\pi \\  & \bigcirc & \frac{11}{6}\pi & & \bigcirc \end{array} $	$\begin{array}{ccc} \bigcirc & \frac{\pi}{3} \\ \bigcirc & \frac{5}{4}\pi \\ 2\pi & \bigcirc \end{array}$	$ \bigcirc \frac{\pi}{2} $ $ \bullet \frac{4}{3}\pi $ None of these an	$\frac{\frac{2}{3}\pi}{\bigcirc \frac{3}{2}\pi} \bigcirc \frac{\frac{3}{4}\pi}{\bigcirc}$ swers are correct.	$ au rac{5}{3}\pi$
Question 5 $\clubsuit$	Solve the equation tan	$\mathbf{n}  x = -\sqrt{3}, (0$	$\leq x \leq 2\pi$ ).		
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{ccccc}  & \frac{\pi}{6} & & \bigcirc & \frac{\pi}{4} \\  & \pi & & \bigcirc & \frac{7}{6}\pi \\  & & \bigcirc & \frac{11}{6}\pi & & \bigcirc \end{array} $	$ \begin{array}{ccc}  & \frac{\pi}{3} \\  & \frac{5}{4}\pi \\ 2\pi \end{array} $	$ \bigcirc \frac{\pi}{2} $ $ \bigcirc \frac{4}{3}\pi $ None of these an	$\frac{\frac{2}{3}\pi}{0} \qquad \frac{\frac{3}{4}\pi}{0}$ $\frac{3}{2}\pi \qquad \bullet$ swers are correct.	$rac{5}{3}\pi$

01 01 0 02 02 0 03 03 0 04 04 0 05 05 0 06 06 0 07 07 0 08 08 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 1 $\clubsuit$	Solve the equation $\sin x = \frac{1}{2} (0 \le x \le 2\pi)$ .
$ \begin{array}{c} \bigcirc 0 \\ \bullet \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Question 2 🌲	Solve the equation $\sin x = -\frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bullet \frac{7}{4}\pi $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 3 🌲	Solve the equation $\cos x = \frac{1}{2} (0 \le x \le 2\pi)$ .
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question $4 \clubsuit$	Solve the equation $\cos x = -\frac{1}{2} (0 \le x \le 2\pi)$ .
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 5 🌲	Solve the equation $\tan x = \frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

$\bigcirc 0 \bigcirc 0 \bigcirc$	$0 \bigcirc 0 \bigcirc 0 \bigcirc 0 \bigcirc 0$
$\bigcirc$ 1 $\bigcirc$ 1 $\bigcirc$	$1 \bigcirc 1 \bigcirc 1 \bigcirc 1 \bigcirc 1 \bigcirc 1$
$\bigcirc 2 \bigcirc 2 \bigcirc$	$2\bigcirc 2\bigcirc 2\bigcirc 2\bigcirc 2\bigcirc 2$
$\bigcirc 3 \bigcirc 3 \bigcirc$	$3\bigcirc 3\bigcirc 3\bigcirc 3\bigcirc 3\bigcirc 3$
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$\bigcirc 9 \bigcirc 9 \bigcirc$	9 🔾 9 🔾 9 🔾 9
	Solve the equation $\sin x = \frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .
$\bigcirc$ 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\bigcirc$ $\frac{5}{6}\pi$	$\bigcirc \pi \qquad \bigcirc \frac{7}{6}\pi \qquad \bigcirc \frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad \bigcirc \frac{5}{3}\pi$
$\bigcirc  \frac{7}{4}\pi$	$\bigcirc \frac{11}{6}\pi$ $\bigcirc 2\pi$ $\bigcirc None of these answers are correct.$
	Solve the equation $\sin x = -1$ $(0 \le x \le 2\pi)$ .
$\bigcirc  0$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\bigcirc$ $\frac{5}{6}\pi$	$\bigcirc  \pi \qquad \bigcirc  \frac{7}{6}\pi \qquad \qquad \bigcirc  \frac{5}{4}\pi \qquad \qquad \bigcirc  \frac{4}{3}\pi \qquad \qquad \boxed{ \qquad } \frac{3}{2}\pi \qquad \qquad \bigcirc  \frac{5}{3}\pi$
$\bigcap \frac{7}{4}\pi$	$\bigcirc \frac{11}{6}\pi$ $\bigcirc 2\pi$ $\bigcirc$ None of these answers are correct.
Question $3 \clubsuit$	Solve the equation $\cos x = \frac{1}{2} (0 \le x \le 2\pi)$ .
0	$\bigcirc  \frac{\pi}{6} \qquad \bigcirc  \frac{\pi}{4} \qquad \qquad \boxed{ \qquad } \frac{\pi}{3} \qquad \bigcirc  \frac{\pi}{2} \qquad \bigcirc  \frac{2}{3}\pi \qquad \bigcirc  \frac{3}{4}\pi$
$\bigcirc$ $\frac{5}{6}\pi$	$\bigcirc \pi \qquad \bigcirc \frac{7}{6}\pi \qquad \bigcirc \frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad  \frac{5}{3}\pi$
$\bigcirc  \frac{7}{4}\pi$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Solve the equation $\cos x = -\frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .
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$\bigcirc$ $\frac{7}{4}\pi$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 5 🌲	Solve the equation $\tan x = -\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$
0	$\bigcirc \frac{\pi}{6} \qquad \bigcirc \frac{\pi}{4} \qquad \bigcirc \frac{\pi}{2} \qquad \bigcirc \frac{\pi}{2} \qquad \bigcirc \frac{2}{3}\pi \qquad \bigcirc \frac{3}{4}\pi$
$lacksquare$ $\frac{5}{6}\pi$	$\bigcirc \pi \qquad \bigcirc \frac{7}{6}\pi \qquad \bigcirc \frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad \bigcirc \frac{5}{3}\pi$
$\int \frac{7}{4}\pi$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Calculus ex02 10 Apr. 2019  $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$  $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$  $\bigcirc 2 \bigcirc 2$  $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$  $\bigcirc 4 \bigcirc 4$ ← Please encode your student number, and write your first and last names below.  $\bigcirc 5 \bigcirc 5 \bigcirc 5 \bigcirc 5 \bigcirc 5 \bigcirc 5 \bigcirc 5$  $\bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6$ First name and last name:.....  $\bigcirc$ 7  $\bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8$  $\bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9$ **Question 1**  $\clubsuit$  Solve the equations in x = 1 ( $0 \le x \le 2\pi$ ).  $\bigcirc \ 0 \qquad \bigcirc \ \frac{\pi}{6} \qquad \bigcirc \ \frac{\pi}{4} \qquad \bigcirc \ \frac{\pi}{3} \qquad \blacksquare \ \frac{\pi}{2} \qquad \bigcirc \ \frac{2}{3}\pi \qquad \bigcirc \ \frac{3}{4}\pi \\ \bigcirc \ \frac{5}{6}\pi \qquad \bigcirc \ \pi \qquad \bigcirc \ \frac{7}{6}\pi \qquad \bigcirc \ \frac{5}{4}\pi \qquad \bigcirc \ \frac{4}{3}\pi \qquad \bigcirc \ \frac{3}{2}\pi \qquad \bigcirc \ \frac{5}{3}\pi$  $\bigcirc \frac{7}{4}\pi \qquad \bigcirc \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc \text{None of these answers are correct.}$ **Question 2**  $\clubsuit$  Solve the equation  $\sin x = -1 \ (0 \le x \le 2\pi)$ . **Question 3** • Solve the equation  $\cos x = \frac{1}{2} (0 \le x \le 2\pi)$ . **Question 4** \$\infty\$ Solve the equation  $\cos x = -\frac{\sqrt{3}}{2} (0 \le x \le 2\pi)$ .  $\bigcirc 0 \qquad \bigcirc \frac{\pi}{6} \qquad \bigcirc \frac{\pi}{4} \qquad \bigcirc \frac{\pi}{3} \qquad \bigcirc \frac{\pi}{2} \qquad \bigcirc \frac{2}{3}\pi \qquad \bigcirc \frac{3}{4}\pi$   $\bigcirc \frac{5}{6}\pi \qquad \bigcirc \pi \qquad \bigcirc \frac{7}{6}\pi \qquad \bigcirc \frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad \bigcirc \frac{5}{3}\pi$  $\bigcirc \quad \frac{7}{4}\pi \qquad \bigcirc \quad \frac{11}{6}\pi \qquad \bigcirc \quad 2\pi \qquad \bigcirc \quad None \ of \ these \ answers \ are \ correct.$ **Question 5** • Solve the equation  $\tan x = -\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$ 

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Question 1 &	Solve the equations $x = 1 (0 \le x \le 2\pi)$ .		
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \bigcirc \frac{\pi}{6} \qquad \bigcirc \frac{\pi}{4} \qquad \bigcirc \frac{\pi}{3} \qquad \blacksquare \frac{\pi}{2} \qquad \bigcirc \frac{2}{3}\pi \qquad \bigcirc \frac{3}{4}\pi $ $\bigcirc \pi \qquad \bigcirc \frac{7}{6}\pi \qquad \bigcirc \frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad \bigcirc \frac{5}{3}\pi $ $\bigcirc \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc None \ of \ these \ answers \ are \ correct. $		
Question 2 ♣	Solve the equation $\sin x = -1 (0 \le x \le 2\pi)$ .		
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Question 3 🌲	Solve the equation $\cos x = 1 (0 \le x \le 2\pi)$ .		
$ \begin{array}{c} \bullet  0 \\ \bigcirc  \frac{5}{6}\pi \\ \bigcirc  \frac{7}{4}\pi \end{array} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
	Solve the equation $\cos x = -\frac{\sqrt{3}}{2} (0 \le x \le 2\pi)$ .		
$ \begin{array}{c} \bigcirc 0 \\ \bullet \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi \end{array} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Question 5 $\clubsuit$	Solve the equation $\tan x = 1, (0 \le x \le 2\pi).$		
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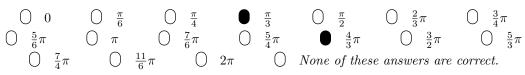
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Question 1 ♣ S	Solve the equations in $x = 1$ ( $0 \le x \le 2\pi$ ).
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Question 2 🌲	Solve the equation $\sin x = -1 \ (0 \le x \le 2\pi)$ .
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Question 3 4 S	Solve the equation $\cos x = 0 \ (0 \le x \le 2\pi)$ .
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 4 ♣ S	Solve the equation $\cos x = -\frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 5 4 S	Solve the equation $\tan x = -\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$
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01 01 0 02 02 0 03 03 0 04 04 0 05 05 0 06 06 0 07 07 0 08 08 0 09 09 0	0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0	← Please encode your student number, and write your first and last names below.  First name and last name:
Question 1 &	Solve the equations in $x = 1$ (	$0 \le x \le 2\pi).$
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{\pi}{3} \qquad \qquad \boxed{\frac{\pi}{2}} \qquad \bigcirc \frac{2}{3}\pi \qquad \bigcirc \frac{3}{4}\pi$ $\frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad \bigcirc \frac{5}{3}\pi$ $\bigcirc \qquad None \ of \ these \ answers \ are \ correct.$
Question 2 🌲	Solve the equation $\sin x = -$	$\frac{\sqrt{3}}{2} (0 \le x \le 2\pi).$
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 3 🌲	Solve the equation $\cos x = \frac{1}{}$	$\frac{1}{2} (0 \le x \le 2\pi).$
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bullet \frac{7}{4}\pi $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 4 ♣	Solve the equation $\cos x = -$	$\frac{1}{\sqrt{2}} \left( 0 \le x \le 2\pi \right).$
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 5 🌲	Solve the equation $\tan x = -$	$-\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$
$ \begin{array}{c} \bigcirc 0 \\ \bullet  \frac{5}{6}\pi \\ \bigcirc  \frac{7}{4}\pi \end{array} $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

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Question 1 ♣	Solve the equation $\sin x = \frac{1}{\sqrt{100}}$	$\frac{1}{\sqrt{2}} (0 \le x \le 2\pi).$
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 2 ♣	Solve the equation $\sin x = -$	$\frac{\sqrt{3}}{2} (0 \le x \le 2\pi).$
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 3 🌲	Solve the equation $\cos x = 0$	$(0 \le x \le 2\pi).$
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 4 ♣	Solve the equation $\cos x = -$	$-\frac{\sqrt{3}}{2} (0 \le x \le 2\pi).$
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$\bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9$	
Question 1 $\clubsuit$ Solve the equation $\sin x = \frac{1}{\sqrt{2}}$	$\frac{1}{2} (0 \le x \le 2\pi).$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{\pi}{3} \qquad \bigcirc \frac{\pi}{2} \qquad \bigcirc \frac{2}{3}\pi \qquad \bullet \frac{3}{4}\pi$ $\frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad \bigcirc \frac{5}{3}\pi$ $\bigcirc \qquad None \ of \ these \ answers \ are \ correct.$
<b>Question 2</b> $\clubsuit$ Solve the equation $\sin x = -$	$\frac{1}{\sqrt{2}} (0 \le x \le 2\pi).$
	$\frac{\pi}{3} \qquad \bigcirc \qquad \frac{\pi}{2} \qquad \bigcirc \qquad \frac{2}{3}\pi \qquad \bigcirc \qquad \frac{3}{4}\pi$ $\frac{5}{4}\pi \qquad \bigcirc \qquad \frac{4}{3}\pi \qquad \bigcirc \qquad \frac{3}{2}\pi \qquad \bigcirc \qquad \frac{5}{3}\pi$ $\bigcirc \qquad None \ of \ these \ answers \ are \ correct.$
<b>Question 3</b> • Solve the equation $\cos x = \frac{\sqrt{2}}{2}$	$\frac{3}{3} (0 \le x \le 2\pi).$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
<b>Question 4</b> $\clubsuit$ Solve the equation $\cos x = -$	$\frac{\sqrt{3}}{2} \left( 0 \le x \le 2\pi \right).$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

**Question 5** • Solve the equation  $\tan x = \sqrt{3}, (0 \le x \le 2\pi).$ 



 $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$   $\bigcirc 0$  $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$   $\bigcirc 1$  $\bigcirc 2 \bigcirc 2$  $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$   $\bigcirc 3$  $\bigcirc 4 \bigcirc 4$ ← Please encode your student number, and write your first and last names below.  $\bigcirc 5 \bigcirc 5 \bigcirc 5 \bigcirc 5 \bigcirc 5 \bigcirc 5 \bigcirc 5$  $\bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6 \bigcirc 6$ First name and last name:.....  $\bigcirc$ 7  $\bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8 \bigcirc 8$  $\bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9$ **Question 1**  $\clubsuit$  Solve the equations in x = 1 ( $0 \le x \le 2\pi$ ).  $\bigcirc 0 \qquad \bigcirc \frac{\pi}{6} \qquad \bigcirc \frac{\pi}{4} \qquad \bigcirc \frac{\pi}{3} \qquad \blacksquare \frac{\pi}{2} \qquad \bigcirc \frac{2}{3}\pi \qquad \bigcirc \frac{3}{4}\pi$   $\bigcirc \frac{5}{6}\pi \qquad \bigcirc \pi \qquad \bigcirc \frac{7}{6}\pi \qquad \bigcirc \frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad \bigcirc \frac{5}{3}\pi$  $\bigcirc \quad \frac{7}{4}\pi \qquad \quad \bigcirc \quad \frac{11}{6}\pi \qquad \quad \bigcirc \quad 2\pi \qquad \quad \bigcirc \quad \textit{None of these answers are correct.}$ **Question 2** \$\\$Solve the equation  $\sin x = -\frac{1}{\sqrt{2}} (0 \le x \le 2\pi).$  $\bigcirc 0 \qquad \bigcirc \frac{\pi}{6} \qquad \bigcirc \frac{\pi}{4} \qquad \bigcirc \frac{\pi}{3} \qquad \bigcirc \frac{\pi}{2} \qquad \bigcirc \frac{2}{3}\pi \qquad \bigcirc \frac{3}{4}\pi$   $\bigcirc \frac{5}{6}\pi \qquad \bigcirc \pi \qquad \bigcirc \frac{7}{6}\pi \qquad \bigoplus \frac{5}{4}\pi \qquad \bigcirc \frac{4}{3}\pi \qquad \bigcirc \frac{3}{2}\pi \qquad \bigcirc \frac{5}{3}\pi$   $\blacksquare \frac{7}{4}\pi \qquad \bigcirc \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc \text{None of these answers are correct.}$ **Question 3** • Solve the equation  $\cos x = \frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ . Question 4 \$\\$ Solve the equation  $\cos x = -\frac{1}{\sqrt{2}} (0 \le x \le 2\pi).$ **Question 5** • Solve the equation  $\tan x = -\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$