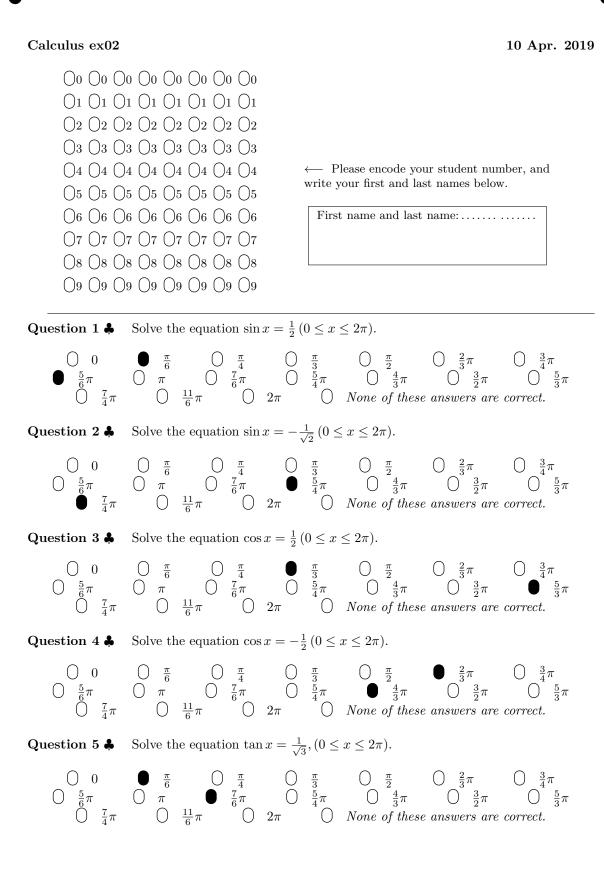
Calculus ex02	10 Apr. 2019
01 01 0 02 02 0 03 03 0 04 04 0 05 05 0 06 06 0 07 07 0	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Solve the equation $\sin x = 0 \ (0 \le x \le 2\pi)$ .
$ \bigcirc 0 \\ \bigcirc \frac{\frac{5}{6}\pi}{0} \\ \bigcirc \frac{\frac{7}{4}\pi}{0} $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 2 🌲	Solve the equation $\sin x = -\frac{1}{2} (0 \le x \le 2\pi)$ .
$ \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 \bigcirc \frac{\pi}{2} \qquad \bigcirc \frac{2}{3}\pi \qquad \bigcirc \frac{3}{4}\pi $ $ \bigcirc \pi \qquad \bullet \qquad \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 $ $ \bullet \qquad \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc \text{None of these answers are correct.} $
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} $	$ \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 \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 \bullet \qquad 2\pi \qquad \bigcirc \text{None of these answers are correct.} $
Question 4 🌲	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 $	$ \bigcirc \frac{\pi}{6} \qquad \bigcirc \frac{\pi}{4} \qquad \bigcirc \frac{\pi}{3} \qquad \bigcirc \frac{\pi}{2} \qquad \blacksquare \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 \blacksquare \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 \text{None of these answers are correct.} $
Question 5 🌲	Solve the equation $\tan x = -\sqrt{3}, (0 \le x \le 2\pi).$
$ \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 \bigcirc \frac{\pi}{2} \qquad \bigoplus \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 \bigoplus \frac{5}{3}\pi $ $ \bigcirc \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc \text{None of these answers are correct.} $



Calculus $ex02$	10 Apr. 2019
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 $\sin x = \frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	
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 $	
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 $	
Question 4 🌲	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 $	$ \bigcirc \begin{array}{ccccccccccccccccccccccccccccccccccc$
Question 5 🌲	Solve the equation $\tan x = -\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$
	$ \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 \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 $ $ \blacksquare \qquad \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc \qquad None \ of \ these \ answers \ are \ correct. $

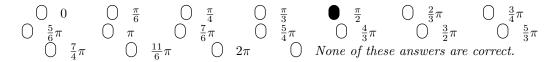
Calculus $ex02$	10 Apr. 2019
01 01 0 02 02 0 03 03 0 04 04 0 05 05 0 06 06 0 07 07 0 08 08 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 1 ♣	Solve the equations in $x = 1$ ( $0 \le x \le 2\pi$ ).
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
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 $\cos x = \frac{1}{2} (0 \le x \le 2\pi)$ .
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Question 4 ♣	Solve the equation $\cos x = -\frac{\sqrt{3}}{2} (0 \le x \le 2\pi)$ .
$ \begin{array}{c} \bigcirc 0 \\ \bullet \frac{\frac{5}{6}\pi}{0} \\ \bigcirc \frac{\frac{7}{4}\pi}{0} \end{array} $	$ \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 \pi \qquad \bullet \qquad \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 5 🌲	Solve the equation $\tan x = -\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$
	$ \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 \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 $ $ \blacksquare \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc None \ of \ these \ answers \ are \ correct. $

10 Apr. 2019

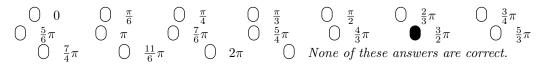
•		
Calculus ex02	2	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	← Please encode write your first and
06 06 ( 07 07 ( 08 08 (	06 06 06 06 06 06 07 07 07 07 07 07 08 08 08 08 08 08 08 08 08 09 09 09 09 09	First name and la

Please encode your student number, and write your first and last names below.

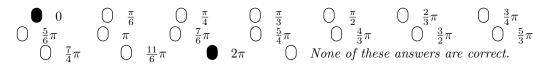
**Question 1** • Solve the equations  $x = 1 (0 \le x \le 2\pi)$ .



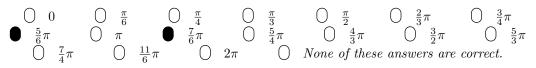
**Question 2** • Solve the equation  $\sin x = -1$   $(0 \le x \le 2\pi)$ .



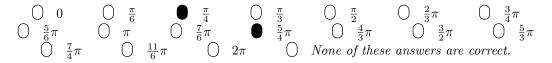
**Question 3** Solve the equation  $\cos x = 1 \ (0 \le x \le 2\pi)$ .



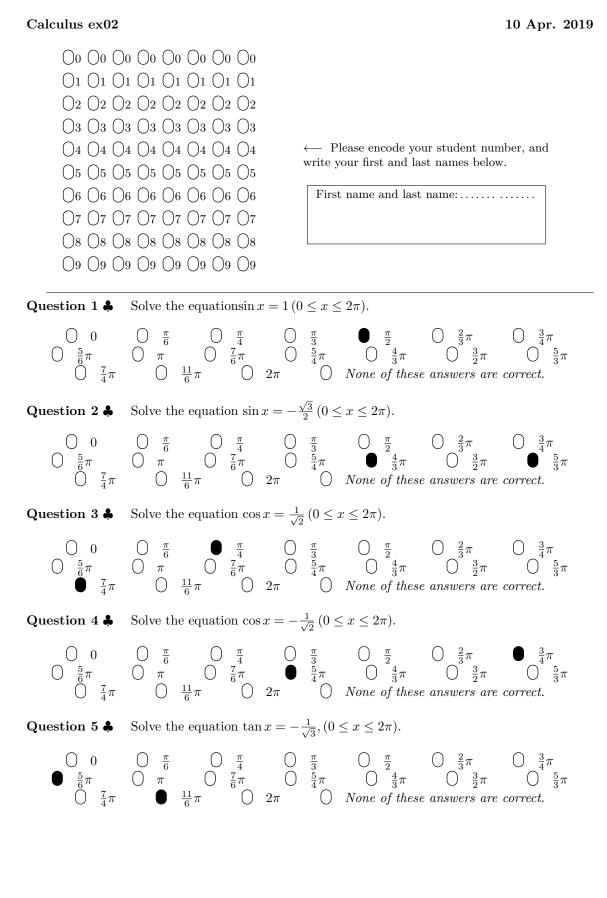
**Question 4**  $\clubsuit$  Solve the equation  $\cos x = -\frac{\sqrt{3}}{2} (0 \le x \le 2\pi)$ .



**Question 5**  $\clubsuit$  Solve the equation  $\tan x = 1, (0 \le x \le 2\pi).$ 

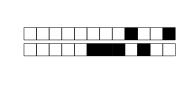


Calculus ex02	10 Apr. 2019			
01 01 0 02 02 0 03 03 0 04 04 0 05 05 0 06 06 0 07 07 0 08 08 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
Question 1 🌲	Solve the equations in $x = 1$ $(0 \le x \le 2\pi)$ .			
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bigcirc \frac{7}{4}\pi $	$ \bigcirc \frac{\pi}{6} \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 \text{None of these answers are correct.} $			
	<b>Question 2</b> $\clubsuit$ Solve the equation $\sin x = -1 \ (0 \le x \le 2\pi)$ .			
$ \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 \bigcirc \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 \boxed{\frac{3}{2}\pi} \qquad \bigcirc \frac{5}{3}\pi $ $\bigcirc \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc \text{None of these answers are correct.} $			
Question 3 $\clubsuit$	Solve the equation $\cos x = 0 \ (0 \le x \le 2\pi)$ .			
$ \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 \blacksquare \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 $4 \clubsuit$	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 $	$ \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 \blacksquare \frac{3}{4}\pi $ $ \bigcirc \pi \qquad \bigcirc \frac{7}{6}\pi \qquad \blacksquare \qquad \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 5 🌲	Solve the equation $\tan x = -\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$			



	10/ 1/ 331
Calculus ex02	10 Apr. 2019
$      \bigcirc 0 \bigcirc$	← Please encode your student number, and write your first and last names below.  First name and last name:
Question 1 $\clubsuit$ Solve the equation $\sin x = \frac{1}{\sqrt{1 - x^2}}$	$\frac{1}{\sqrt{2}} (0 \le x \le 2\pi).$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
<b>Question 2</b> $\clubsuit$ Solve the equation $\sin x = -$	$\frac{\sqrt{3}}{2} \left( 0 \le x \le 2\pi \right).$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
<b>Question 3</b> $\clubsuit$ Solve the equation $\cos x = 0$	$(0 \le x \le 2\pi).$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
<b>Question 4</b> $\clubsuit$ Solve the equation $\cos x = -$	$-\frac{\sqrt{3}}{2} (0 \le x \le 2\pi).$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

**Question 5** • Solve the equation  $\tan x = -\frac{1}{\sqrt{3}}, (0 \le x \le 2\pi).$ 



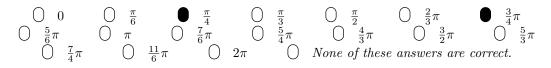
Calculus ex02 10 Apr. 2019

| $\bigcirc 0$ | $\bigcup 0$  | $\bigcirc 0$ | $\bigcup 0$  |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| $\bigcirc 1$ |
| $\bigcirc 2$ | $\bigcirc_2$ | $\bigcirc 2$ | $\bigcirc_2$ | $\bigcirc 2$ | $\bigcirc 2$ | $\bigcirc 2$ | $\bigcirc 2$ |
| $\bigcirc 3$ |
| $\bigcirc 4$ |
| $\bigcirc 5$ |
| $\bigcirc 6$ |
| $\bigcirc 7$ |
| $\bigcirc 8$ |
| $\bigcirc 9$ |

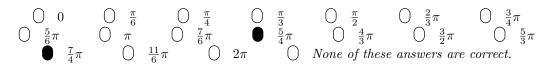
 $\longleftarrow$  Please encode your student number, and write your first and last names below.

First name and last name:.....

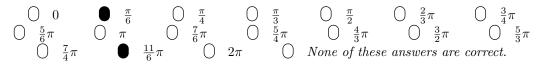
**Question 1**  $\clubsuit$  Solve the equation  $\sin x = \frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .



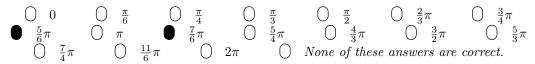
Question 2  $\clubsuit$  Solve the equation  $\sin x = -\frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .



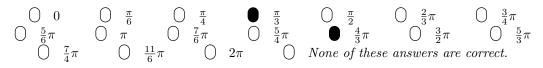
**Question 3** • Solve the equation  $\cos x = \frac{\sqrt{3}}{2} (0 \le x \le 2\pi)$ .



**Question 4** • Solve the equation  $\cos x = -\frac{\sqrt{3}}{2} (0 \le x \le 2\pi)$ .



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



10 Apr. 2019

Question 1 ♣	Solve the equations in $x = 1$ ( $0 \le x \le 2\pi$ ).			
$ \bigcirc 0 \\ \bigcirc \frac{\frac{5}{6}\pi}{0} \frac{7}{4}\pi $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
Question 2 🌲	Solve the equation $\sin x = -\frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .			
$\bigcap_{\substack{\frac{5}{6}\pi\\ \bullet}} 0$				
Question 3 🌲	Solve the equation $\cos x = \frac{1}{\sqrt{2}} (0 \le x \le 2\pi)$ .			
$ \bigcirc 0 \\ \bigcirc \frac{5}{6}\pi \\ \bullet \frac{7}{4}\pi $				
Question 4 ♣	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 $	$ \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 \bigoplus \frac{3}{4}\pi $ $\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 $ $\bigcirc \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc None \ of \ these \ answers \ are \ correct. $			
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} $	$ \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 \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 $ $ \blacksquare \frac{11}{6}\pi \qquad \bigcirc 2\pi \qquad \bigcirc \text{None of these answers are correct.} $			

Calculus ex02