

Exercise 2015-10EJ-00018(1)

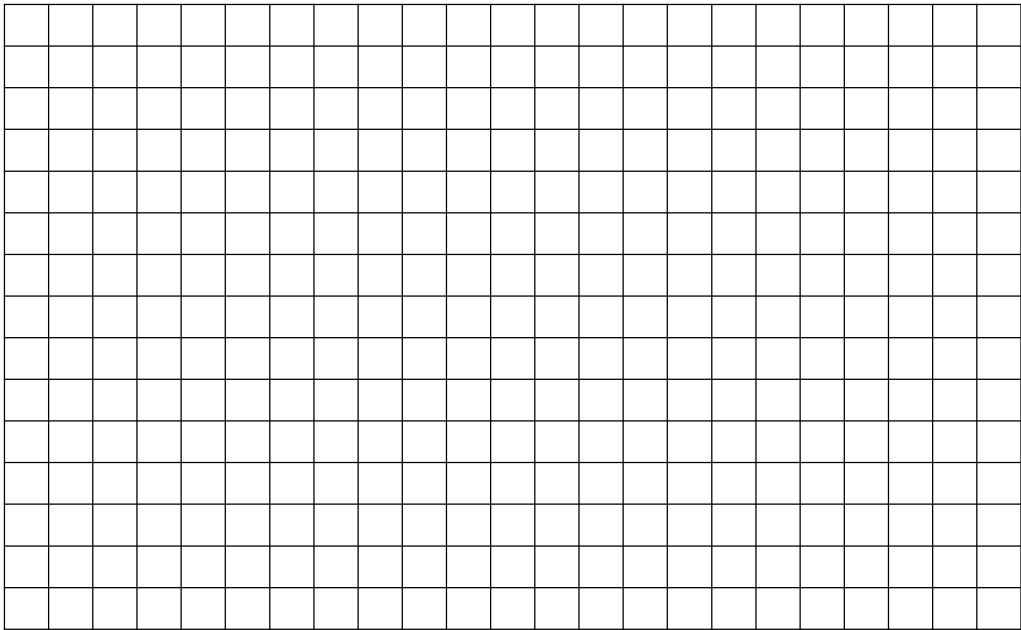
(1) Complete the following tables and plot the points on the same axis planes.
Round off to 2 decimals! Also complete the questions given.

(a)

x	0°	45°	90°	135°	180°	225°	270°	315°	360°
$y = 2 \sin x$									

(b)

x	0°	45°	90°	135°	180°	225°	270°	315°	360°
$y = 3 \sin x$									

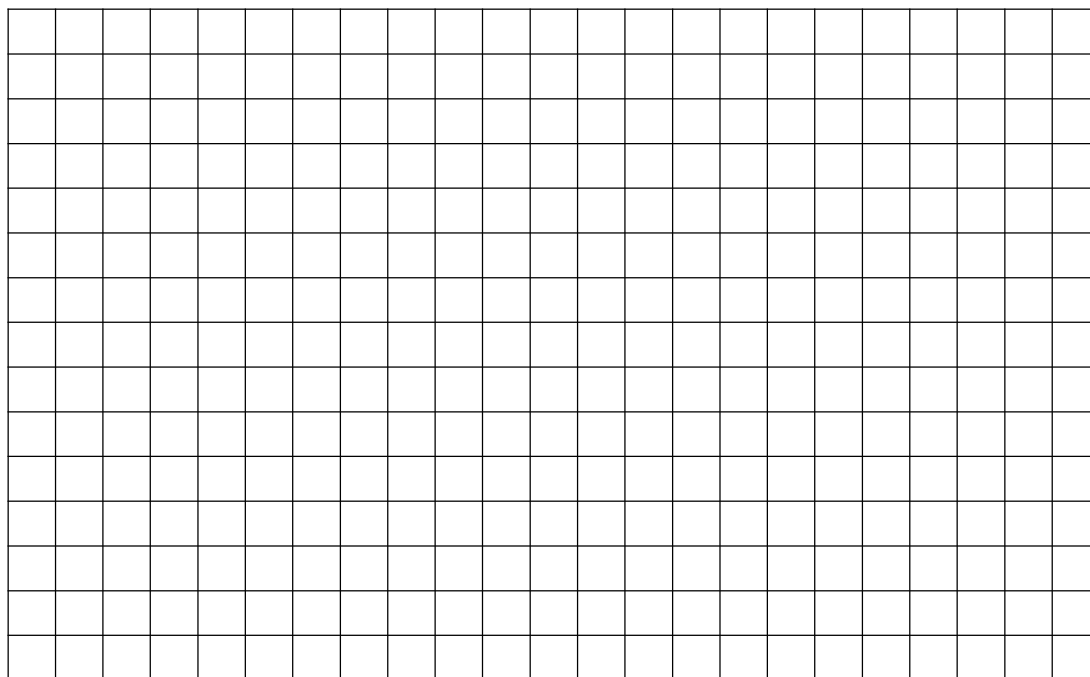


- (c) Draw on the same system of axes $y = \sin x$.
- (d) What is the influence of a on the graph in $y = a \sin x$?
- (e) Write down the amplitude of $y = 2 \sin x$.
- (f) Write down the period of $y = 2 \sin x$.

- (2) Complete the following tables and plot the points on the same axis planes.
Round off to 2 decimals! Also complete the questions given.

(a)	x	0°	45°	90°	135°	180°	225°	270°	315°	360°
	$y = \cos x + 1$									

(b)	x	0°	45°	90°	135°	180°	225°	270°	315°	360°
	$y = \cos x - 2$									

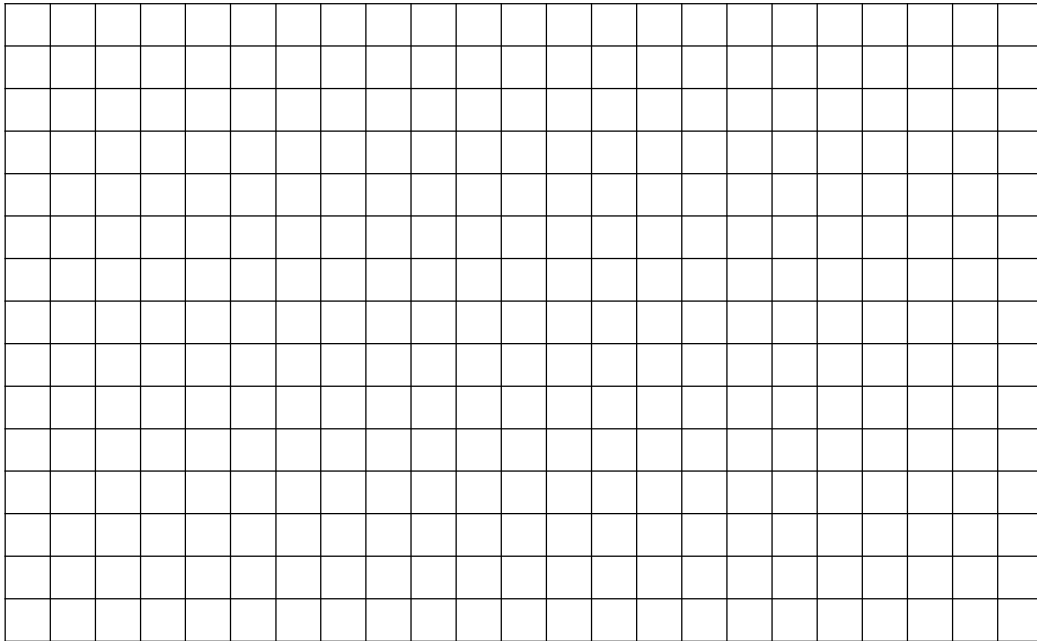


- (c) Draw on the same system of axes $y = \cos x$.
- (d) What is the influence of q on the graph in $y = \cos x + q$?
- (e) Write down the amplitude of $y = \cos x + 1$.
- (f) Write down the period of $y = \cos x + 1$.

- (3) Complete the following tables and plot the points on the same axis planes.
Round off to 2 decimals! Also complete the questions given.

(a)

x	0°	45°	90°	135°	180°	225°	270°	315°	360°
$y = -\tan x$									



- (b) Draw on the same system of axes $y = \tan x$.
- (c) What is the influence of a on the graph in $y = a \tan x$?
- (d) Write down the amplitude of $y = -\tan x$.
- (e) Write down the period of $y = -\tan x$.