

Worksheet 2015-10EJ-00018(1)

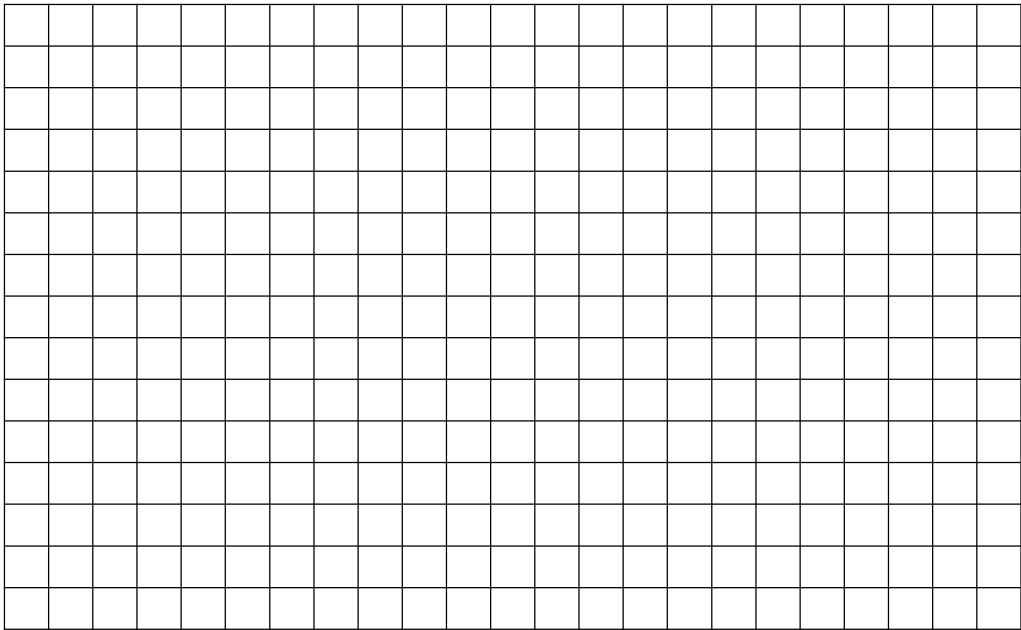
(1) Complete the following tables and plot the points on the same axis planes.
Round off to 2 decimals! Also complete the questions given.

(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 $y = 2 \sin x$.

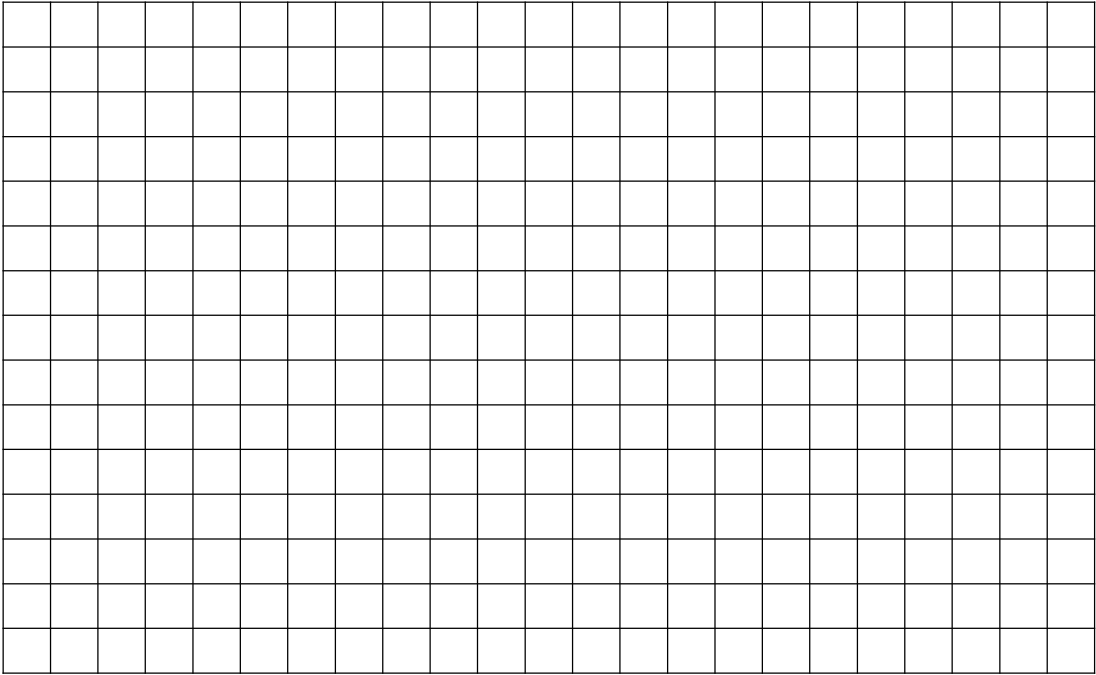
(2) Complete the following tables and plot the points on the same axis planes.
Round off to 2 decimals! Also complete the questions given.

(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 $y = \cos x + 1$.

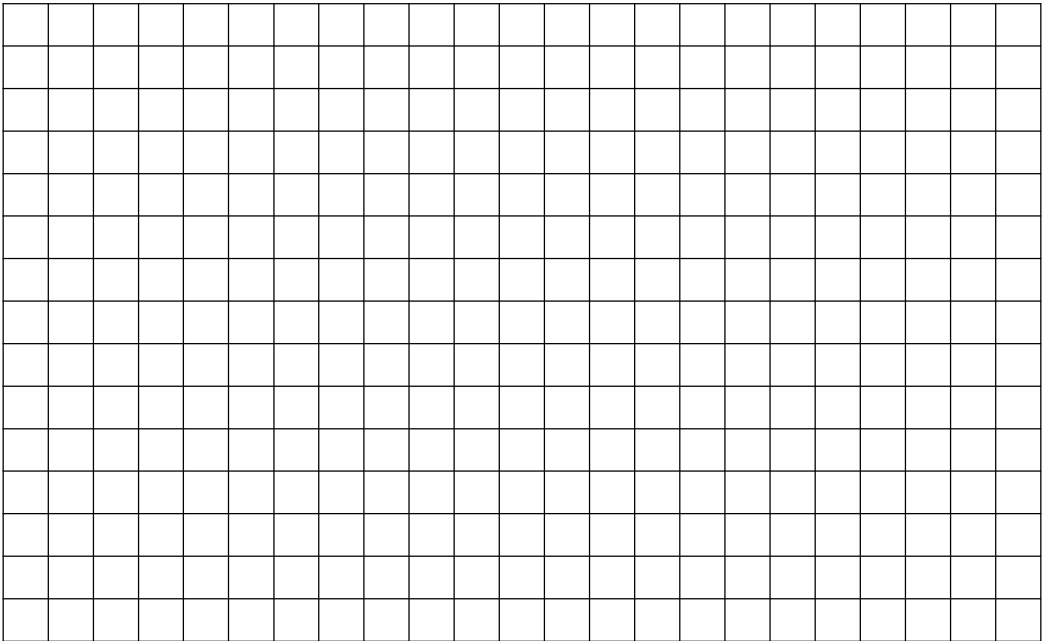
(f)

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 $y = -\tan x$.
