

Worksheet 2015-8EI-00004(2)

- (1) Complete the tables and represent the point on a Cartesian plane:
Join the points.
Indicate whether each of the graphs will be increasing or decreasing.
Is the graph linear or non- linear?

(a) $y = \frac{4}{x}$

x	-4	-2	-1	0	1	2	4
y							

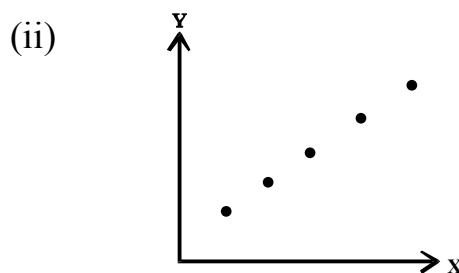
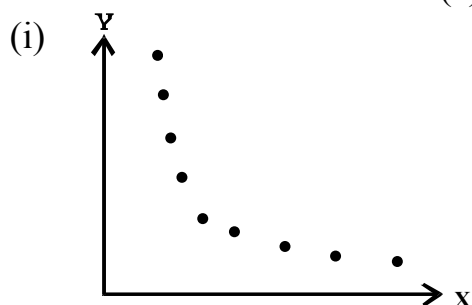
(b) $y = x$

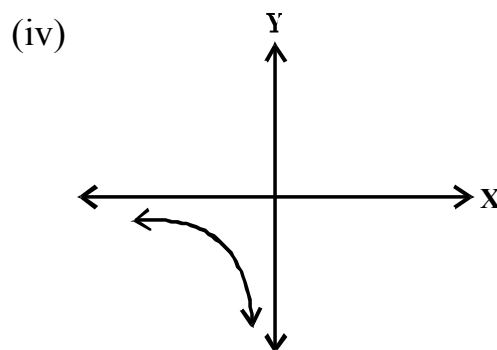
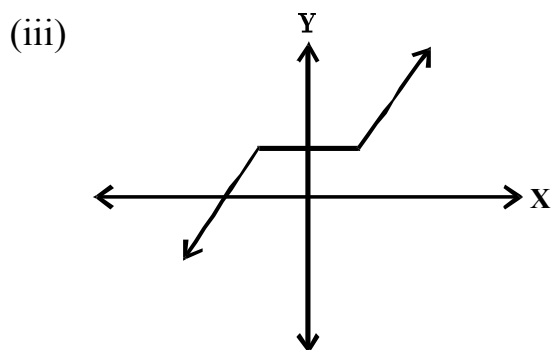
x	-4	-2	-1	0	1	2	4
y							

(2) Consider the following two points: $A(-1 ; 6)$ and $B(1 ; -6)$

- (a) Write the ordinate of A.
- (b) Write the abscissa of B.
- (c) Will AB be a horizontal line if A and B is drawn on a Cartesian plane and joined?
- (d) In which quadrants will A and B lie?

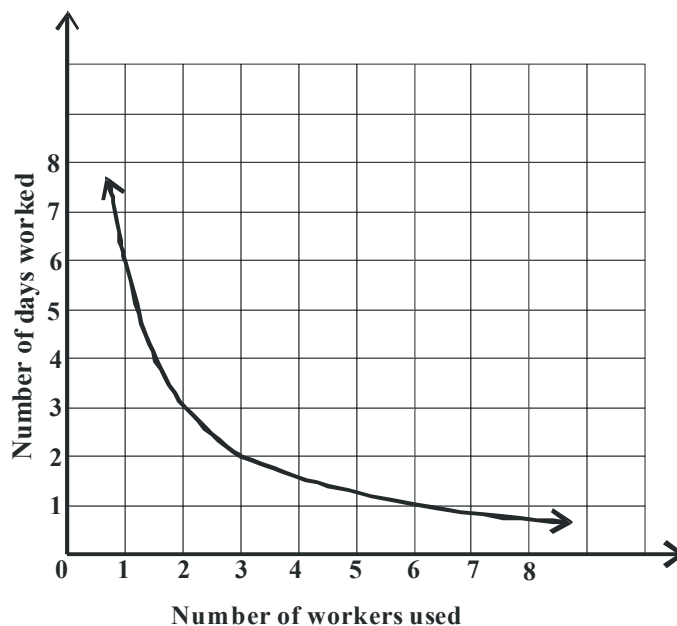
- (3) Is the following graphs:
- (a) continuous or discrete?
 - (b) increasing or decreasing?
 - (c) linear or non-linear?





(4) The graph shows the number of workers that is needed to complete a certain task within a certain number of days.

- (a) Is the graph continuous or discrete?
- (b) Is the graph linear or non-linear?
- (c) How many days will six workers need to complete the task?
- (d) Is the graph increasing or decreasing?
- (e) Is the graph directly proportional or indirectly proportional?



(5) Determine the rule for the relationship between the input-and output values for each of the following:

