

# Straight Lines with Negatives

Complete the tables carefully then graph each table, ruling a straight line through the set of points. If the points are not in a line then *find your mistake*.

1

$x+y = -6$	
$x$	$y$
-3	
-4	
-6	
0	
1	

2

$y = -x$	
$x$	$y$
1	
2	
0	
-1	
-3	
-5	

3

$y = x - 2$	
$x$	$y$
1	
0	
-1	
-3	
-5	

4

$y = -2$	
$x$	$y$
0	
-1	
-3	
-4	
-5	

5

$y = 2x + 10$	
$x$	$y$
-6	
-5	
-2	
-3	

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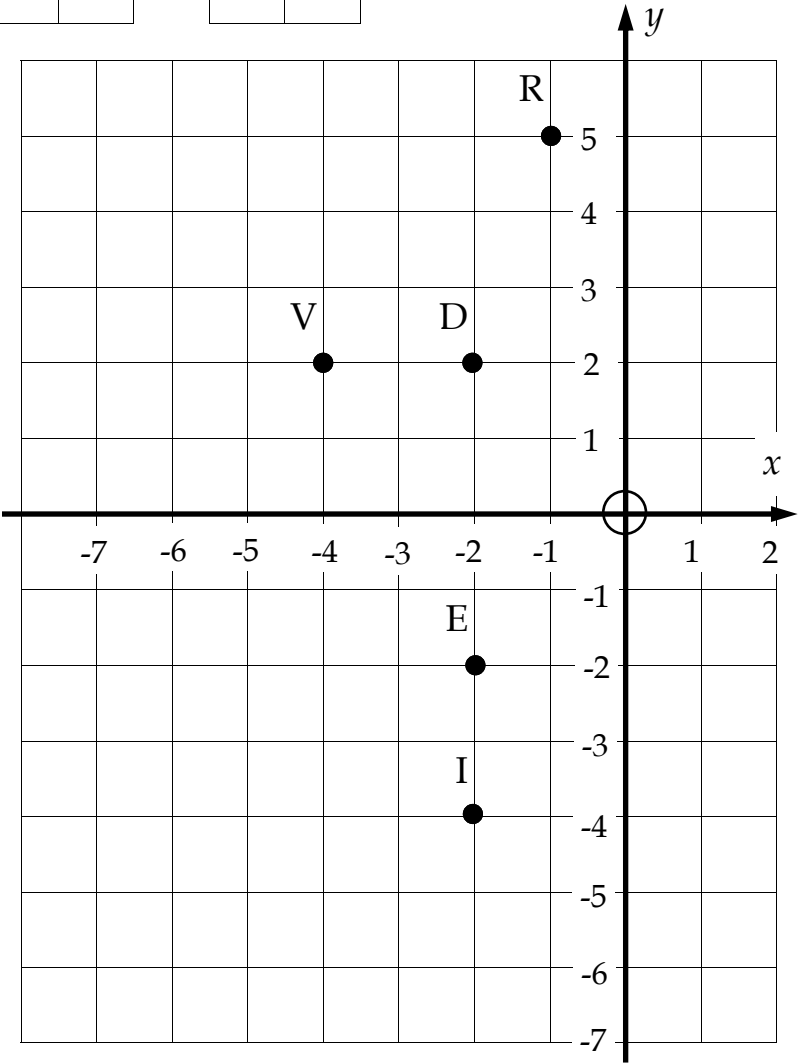
6	
$x + y = 4$	
$x$	$y$
-2	
2	
0	
1	



René Descartes (1596-1650) after whom Cartesian graphs are named

7	
$x - y = -4$	
$x$	$y$
-3	
-1	
0	
1	
2	

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If you have finished, find the password for today using the graphs and lettered dots. The word means “compasses with two steel points”.

7	3	5	1	2	4	6