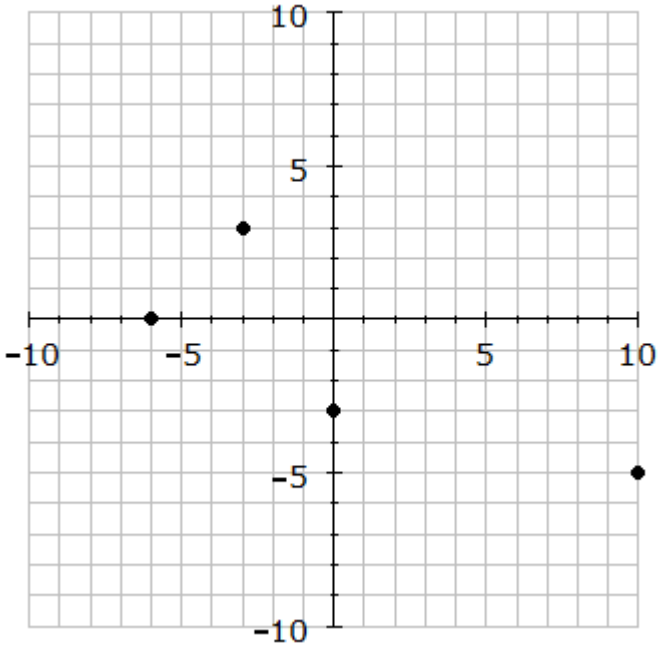
Basic Patterns and Graphs Practice #3



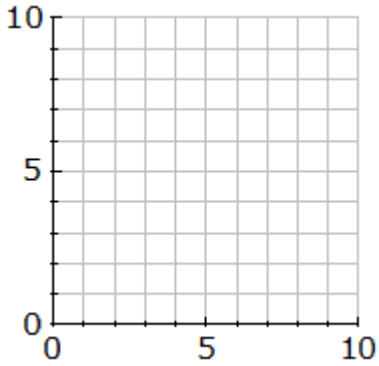
1. Link the points A → B → C → D → A

   A (6, 1), B (7, 8), C (0, 7), D (¯1, 0)

2. Write the co-ordinates for the four dots shown on the grid.

3. Complete the table with the same pattern and graph it:

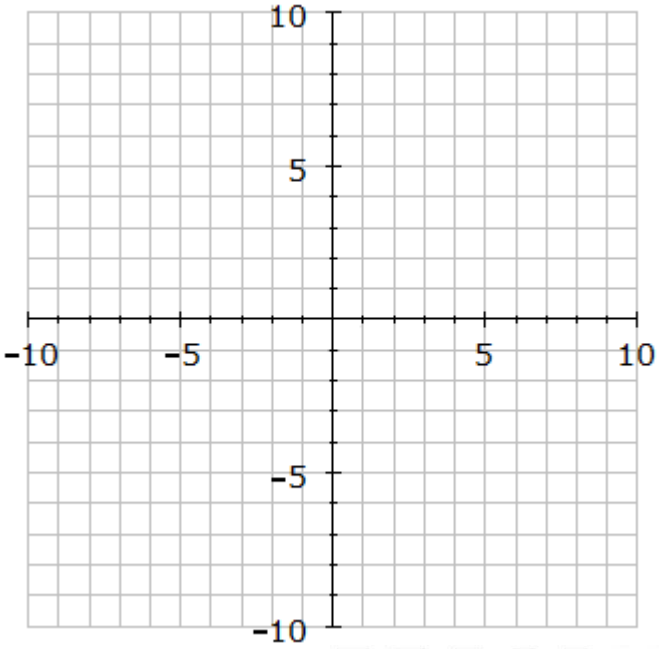
x	0	1	2	3	4	5	...	20
y			3	3.5	4	4.5		



Give the equation of the line connecting them: .....

4. Complete the table with the same pattern and graph it:

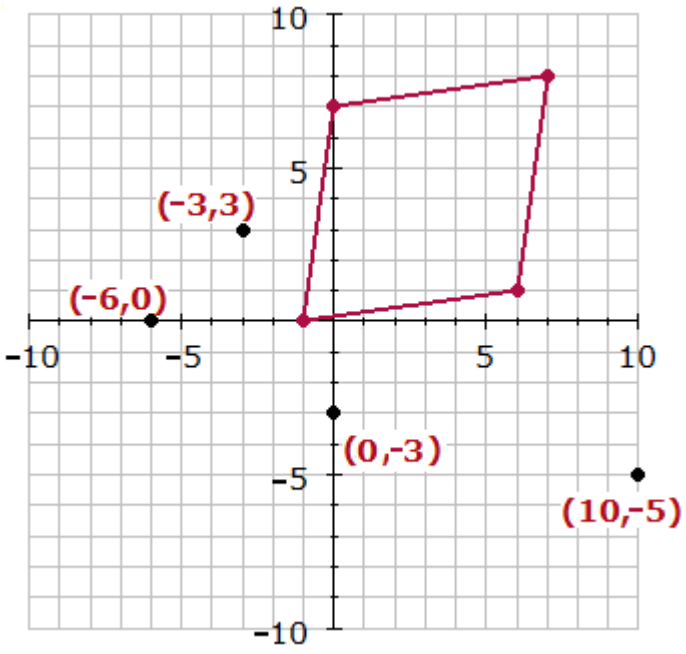
x	y
–1	
0	5
1	3
2	1
3	–1
4	
...	
10	



Give the equation of the line: .....

MAN vs MATHS 2014

Answers: Basic Patterns and Graphs Practice #3



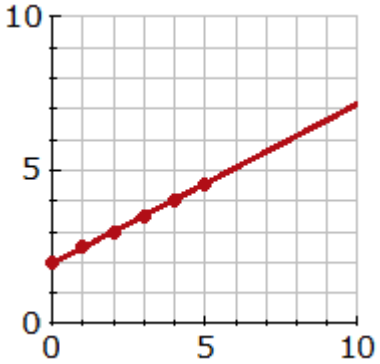
1. Link the points A → B → C → D → A

   A (6, 1), B (7, 8), C (0, 7), D (¯1, 0)

2. Write the co-ordinates for the four dots shown on the grid.

3. Complete the table with the same pattern and graph it:

x	0	1	2	3	+ ½ 4	5	...	20
y	**2**	**2.5**	3	3.5	4	4.5		**12**



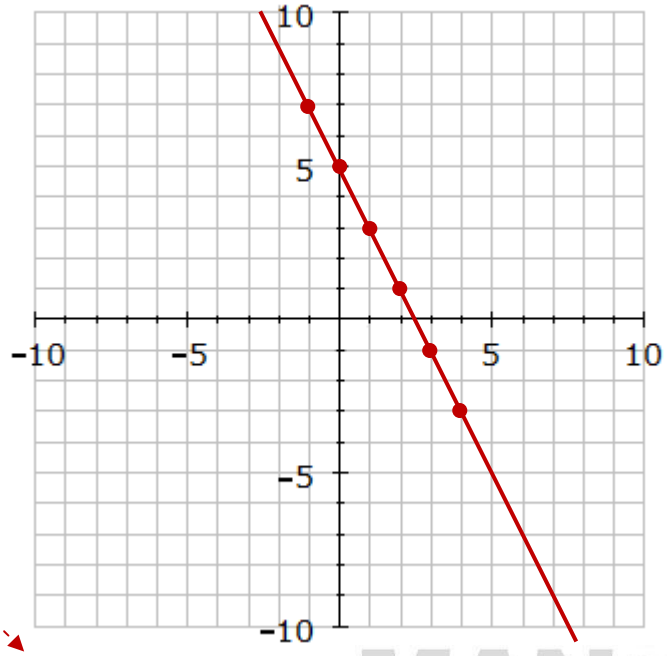
Give the equation of the line connecting them: $y = \frac{1}{2}x + 2$

4. Complete the table with the same pattern and graph it:

x	y
–1	**7**
0	5
1	3
2	1
3	–1
4	**–3**
...	
10	**–15**

–2

–2



Give the equation of the line: $y = -2x + 5$ (or $y = 5 - 2x$)

MAN vs MATHS 2014