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5.OA.B.3 Graph Relationships

5.OA.B.3 Identify apparent relationships between corresponding terms.

1. The x coordinate of an ordered pair shows the number of hexagons. Y coordinate shows the number of vertices for the hexagons. If x is 3, what is the y coordinate?

Solution:

2. An ordered pair shows the relationship between number of parallelograms and the number of obtuse angles. If x is 4, what is the value of y coordinate?

Solution:

3. An orders pair shows the relationship between the number of heptagons and the number of sides. If x is 5, what is the y coordinate?
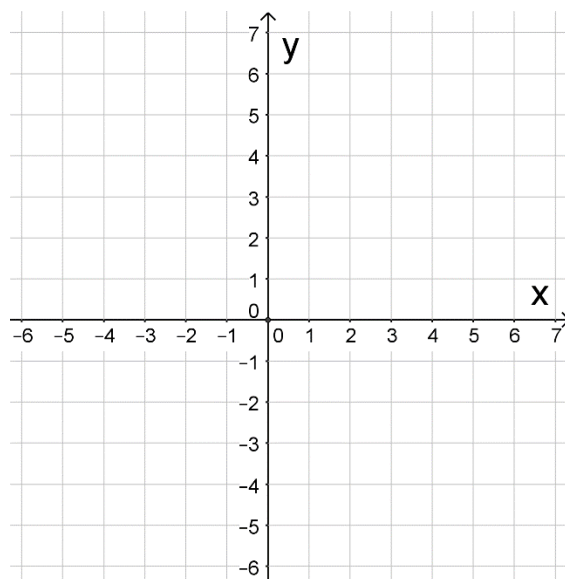
Solution:

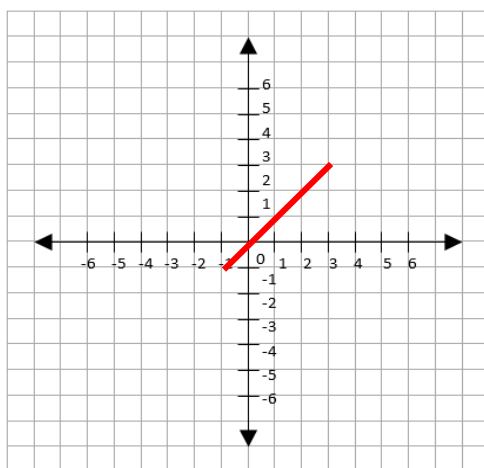4. Write an ordered pair. Then, graph them on the given coordinate plane.

No. of Men, x	1	3	4	5
No. of Women, y	0	2	3	4

No. of Dogs, x	0	2	4	6
No. of Cats, y	0	2	4	6

No. of Equilateral Triangles, x	0	1	3	5
No. of Obtuse Angles, y	0	0	0	0

Ordered pairs:

5. Use the line drawn on the coordinate plane on your left. Make a table of ordered pairs that are located on the line. Guess the equation that represents the line.

Solution:

Equation:

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Solution:
18

2. An ordered pair shows the relationship between number of parallelograms and the number of obtuse angles. If x is 4, what is the value of y coordinate?

Solution:
8

3. An orders pair shows the relationship between the number of heptagons and the number of sides. If x is 5, what is the y coordinate?
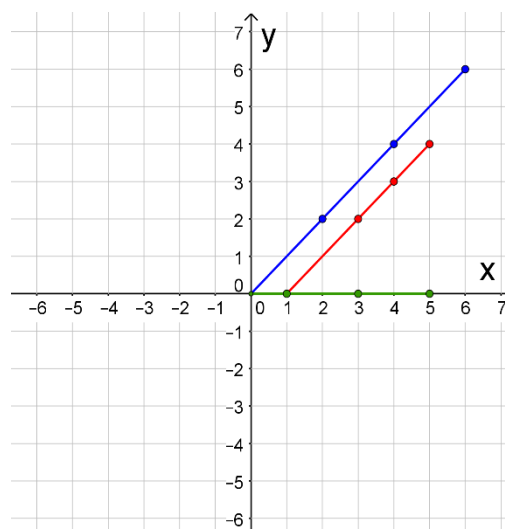
Solution:
35

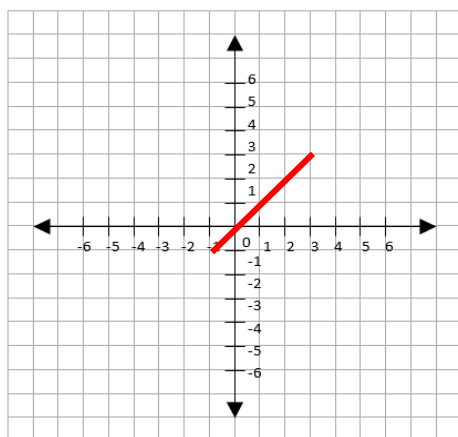4. Write an ordered pair. Then, graph them on the given coordinate plane.

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No. of Equilateral Triangles, x	0	1	3	5
No. of Obtuse Angles, y	0	0	0	0

Ordered pairs: (1, 0), (3, 2), (4, 3), (5, 4); (0, 0), (2, 2), (4, 4), (6, 6); (0, 0), (1, 0), (3, 0), (5, 0)

5. Use the line drawn on the coordinate plane on your left. Make a table of ordered pairs that are located on the line. Guess the equation that represents the line.

Solution:

x	-1	0	1	2	3
y	-1	0	1	2	3

Equation: y = x; x = y