NAME _____ DATE _____ PERIOD _____

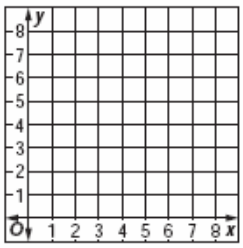
1-6

Skills Practice

Ordered Pairs and Relations

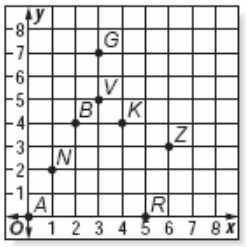
Graph each point on the coordinate system.

1. $A(2, 5)$
2. $M(6, 4)$
3. $Z(1, 1)$
4. $R(3, 0)$
5. $Q(7, 8)$
6. $W(0, 6)$



Write the ordered pair that names each point.

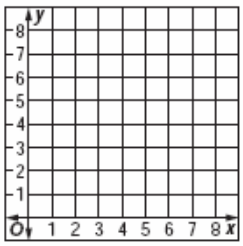
7. N
8. K
9. A
10. V
11. Z
12. G
13. R
14. B



Express each relation as a table and as a graph. Then determine the domain and range.

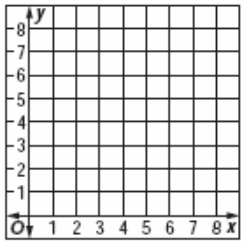
15. {(3, 7), (1, 1), (6, 5), (2, 4)}

x	y



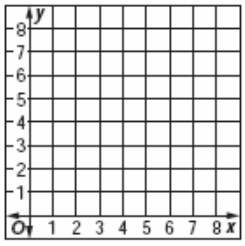
16. {(0, 3), (5, 7), (1, 8)}

x	y



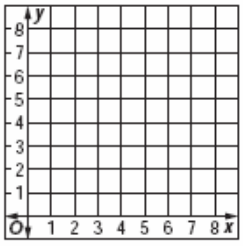
17. {(2, 3), (3, 2), (1, 7), (7, 1)}

x	y



18. {(5, 6), (0, 2), (4,4) (8, 3)}

x	y



NAME _____ DATE _____ PERIOD _____

1-6 Enrichment

The Hidden Animal

Graph the following sets of points. Join successive points by a line segment. Begin a new line segment with each numbered set of ordered pairs. When you finish, you will have a picture of an animal.

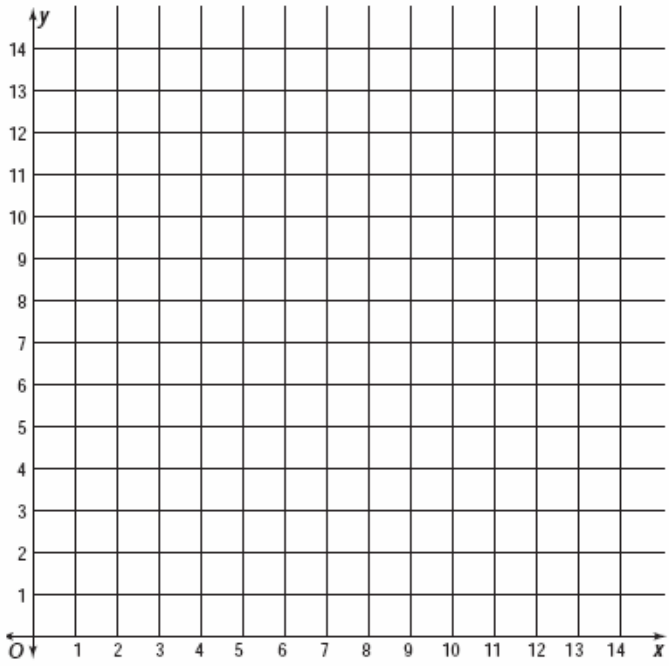
1. $(10, 12)$, $(8, 12)$, $\left(2, 11\frac{1}{2}\right)$, $\left(\frac{1}{2}, 10\right)$, $\left(\frac{1}{2}, 5\right)$

2. $\left(\frac{1}{2}, 8\right)$, $\left(1, 6\frac{1}{2}\right)$, $\left(1, 5\frac{1}{2}\right)$, $\left(1\frac{1}{2}, 3\right)$ $\left(1\frac{1}{2}, 1\right)$, $(4, 1)$, $\left(3\frac{1}{2}, 2\right)$, $\left(3\frac{1}{2}, 5\frac{1}{2}\right)$

3. $\left(8\frac{1}{2}, 6\frac{1}{2}\right)$, $(8, 6)$, $\left(8\frac{1}{2}, 4\right)$, $\left(8\frac{1}{2}, 1\right)$, $\left(10\frac{1}{2}, 1\right)$, $(10, 2)$, $(10, 6)$

4. $(10, 5)$, $(12, 3)$, $\left(12, 1\frac{1}{2}\right)$, $\left(10\frac{1}{2}, 1\frac{1}{2}\right)$, $\left(10\frac{1}{2}, 2\frac{1}{2}\right)$, $(10, 3)$

5. $(8, 6)$, $\left(6, 5\frac{1}{2}\right)$, $\left(3, 5\frac{1}{2}\right)$, $(3, 2)$, $\left(3\frac{1}{2}, 1\right)$



6. $(12, 12)$, $\left(11, 12\frac{1}{2}\right)$, $\left(9, 11\frac{1}{2}\right)$, $\left(8\frac{1}{2}, 10\frac{1}{2}\right)$, $\left(8\frac{1}{2}, 9\frac{1}{2}\right)$, $(9, 8\frac{1}{2})$, $(10, 8)$, $(11, 9)$

7. $(12, 12)$, $(13, 12)$, $(14, 11)$, $(14, 9)$, $\left(13\frac{1}{2}, 8\right)$, $\left(13\frac{1}{2}, 7\right)$, $(13, 3)$, $\left(12\frac{1}{2}, 2\right)$, $\left(12, 2\frac{1}{2}\right)$, $\left(12\frac{1}{2}, 3\right)$, $\left(12\frac{1}{2}, 6\right)$, $(12, 7)$, $\left(11, 7\frac{1}{2}\right)$, $\left(10\frac{1}{2}, 7\right)$, $(10, 6)$

8. Suppose you multiply both coordinates of each ordered pair by 2 and graph the resulting pairs on graph paper using the same scale on the axes as for the drawing above. How would the drawings compare?