

Name _____

Date _____

Graphing Data on Coordinate Grids

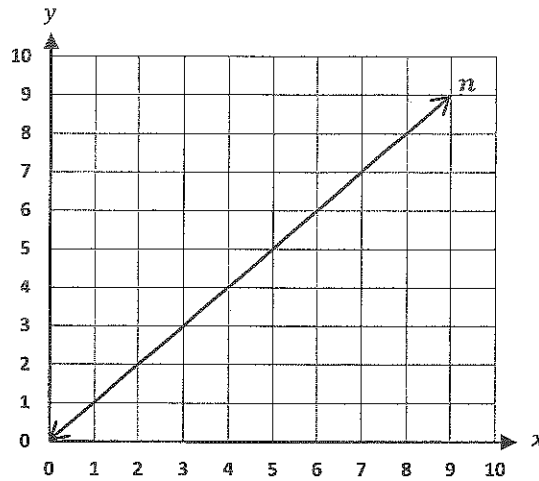
Part A: Complete the tables based on an observed pattern. Write table values as ordered pairs and then graph.

<i>Data Table</i>		<i>Ordered Pairs</i>	<i>Graph</i>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="padding: 5px;"><i>Input</i></th> <th style="padding: 5px;"><i>Output</i></th> </tr> </thead> <tbody> <tr><td style="text-align: center;">0</td><td style="text-align: center;">2</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">4</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">6</td></tr> <tr><td style="text-align: center;">6</td><td></td></tr> <tr><td style="text-align: center;">8</td><td></td></tr> </tbody> </table>	<i>Input</i>	<i>Output</i>	0	2	2	4	4	6	6		8			
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0	2													
2	4													
4	6													
6														
8														
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Part B: For each problem presented, graph a solution. Identify at least 4 points in the graphed solution as ordered pairs.

Problem 1:

Graph a line n .
Graph line p on the coordinate grid so that line p is parallel to line n .

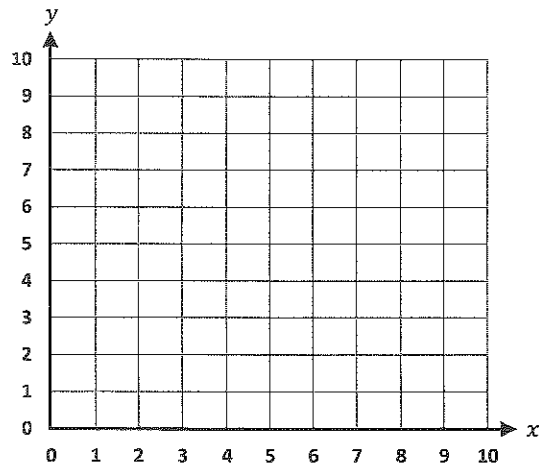


Place 4 points on line p , and list the location of each as an ordered pair.

Point	Location
A	
B	
C	
D	

Problem 2:

Graph a trapezoid on the coordinate grid. Label the vertices F, G, H and J .

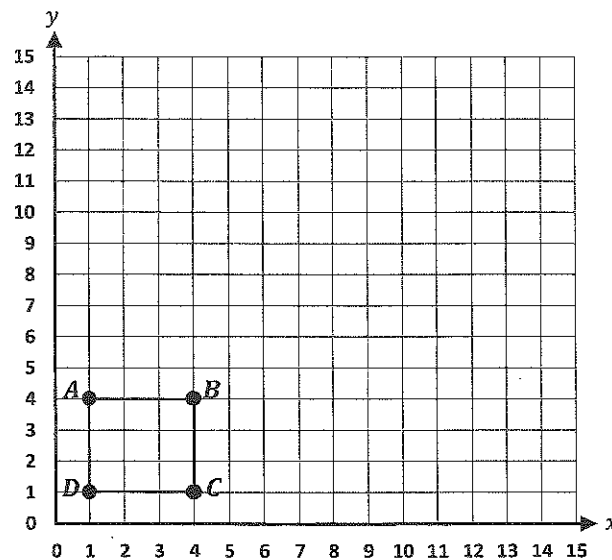


List the location of each vertex as an ordered pair.

Point	Location
F	
G	
H	
J	

Problem 3:

Polygon $ABCD$ is a square. Graph polygon $KLMN$ so that it is also a square, but polygon $KLMN$ should have four times the area of polygon $ABCD$.



List the location of each vertex as an ordered pair.

Point	Location
K	
L	
M	
N	