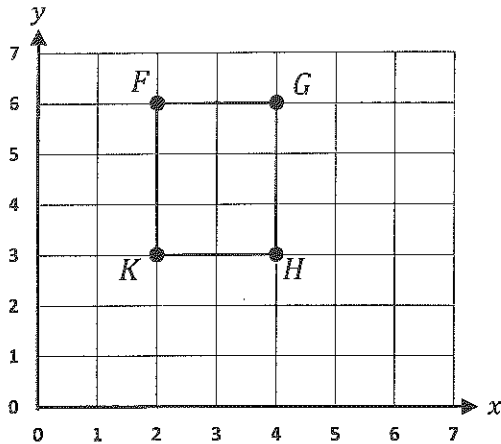


TEKS 5.8C *graph* in the first quadrant of the coordinate plane ordered pairs arising from mathematical and real-world problems, including those generated by number patterns or found in an input-output table.

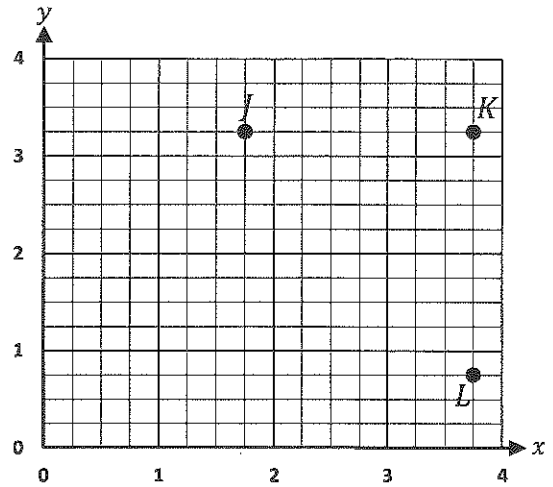
1. A rectangle is graphed on the coordinate grid below.



Which list of ordered pairs name the vertex locations?

- A. (3, 2), (3, 4), (6, 2), (6, 4)
- B. (3, 3), (2, 3), (4, 2), (4, 2)
- C. (2, 3), (4, 3), (2, 6), (4, 6)
- D. (2, 4), (4, 3), (4, 4), (4, 6)

2. Three vertices of square JKLM are graphed on the coordinate grid below.

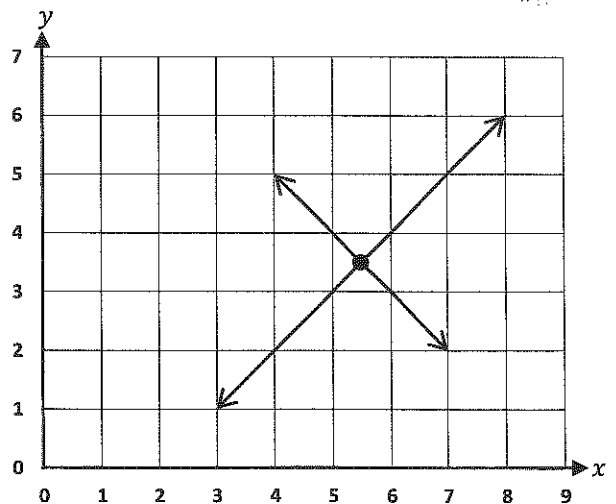


What is the location of vertex M?

- F. $(1\frac{3}{4}, \frac{3}{4})$
- G. $(1\frac{3}{4}, \frac{1}{4})$
- H. $(3\frac{1}{4}, 1\frac{3}{4})$
- J. $(\frac{3}{4}, 1\frac{3}{4})$

3. Two lines are graphed on the coordinate grid shown. What is the location of the point of intersection?

- A. (5, 3)
- B. $(5\frac{1}{2}, 3\frac{1}{2})$
- C. $(3\frac{1}{2}, 5\frac{1}{2})$
- D. (6, 4)

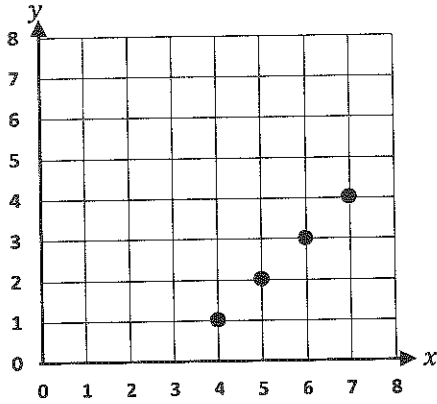


4. An input-output table is shown below.

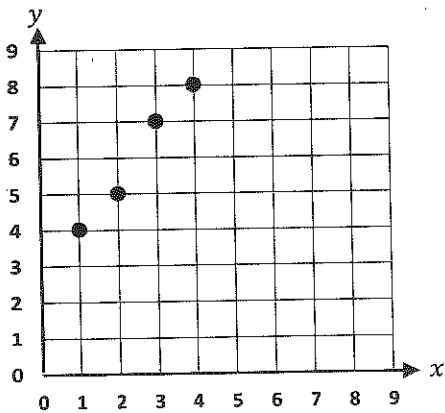
<i>x</i> (input)	1	2	3	4
<i>y</i> (output)	4	5	6	7

Which graph correctly represents the points in the input-output table?

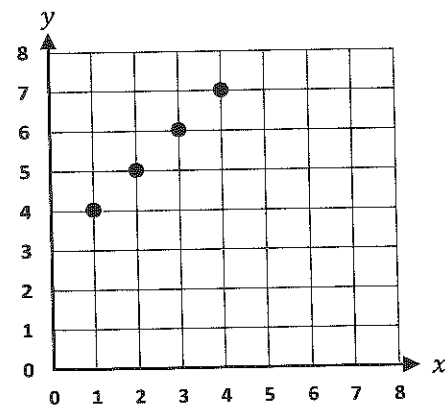
F.



G.

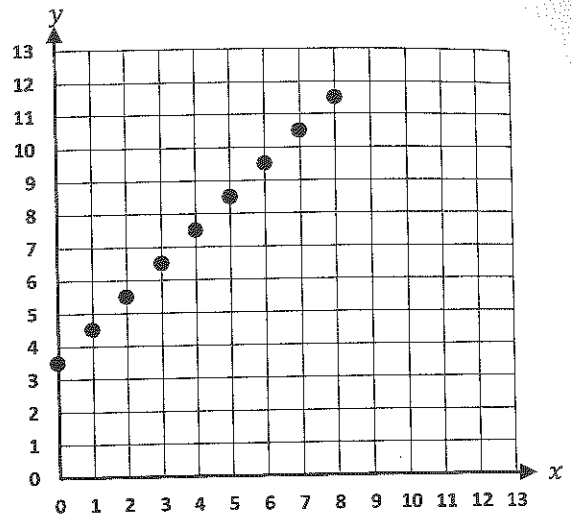


H.



J. None of the Above

5. Points from an input-output table are graphed on the coordinate grid shown below.



Which table contains the points graphed on the coordinate grid?

A.

<i>Input, x</i>	<i>Output, y</i>
0	3.5
1	4.5
2	5.5
3	7.5
4	8.5
5	9.5
6	10.5
7	11.5
8	12.5

C.

<i>Input, x</i>	<i>Output, y</i>
0	4
1	5
2	6
3	7
4	8
5	9
6	10
7	11
8	12

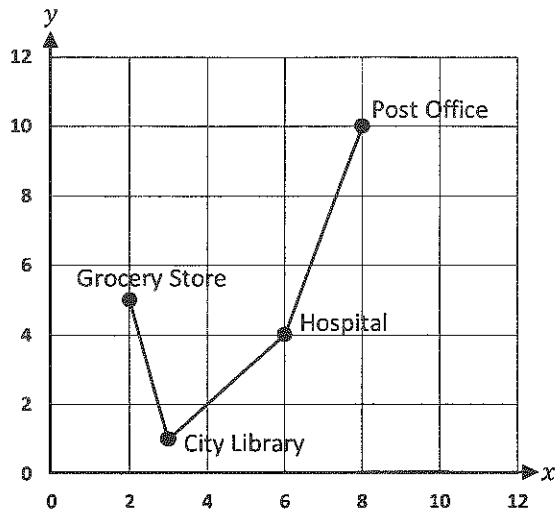
B.

<i>Input, x</i>	<i>Output, y</i>
3.5	0
4.5	1
5.5	2
6.5	3
7.5	4
8.5	5
9.5	6
10.5	7
11.5	8

D.

<i>Input, x</i>	<i>Output, y</i>
0	3.5
1	4.5
2	5.5
3	6.5
4	7.5
5	8.5
6	9.5
7	10.5
8	11.5

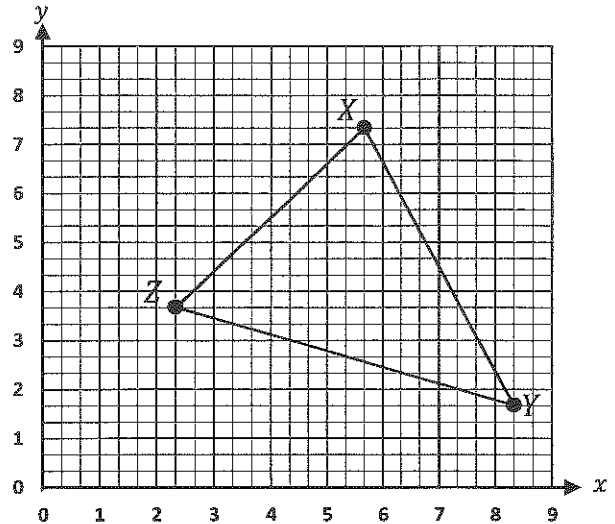
6. A city bus makes 4 stops on the morning route.



Based on the graph, which of the following is true?

- F. The grocery store is located at $(2, 4\frac{1}{2})$.
- G. The city library is located at $(3, 1)$.
- H. The hospital is located at $(4, 6)$.
- J. The post office is located at $(10, 8)$.

7. $\triangle XYZ$ is graphed on the coordinate grid below.

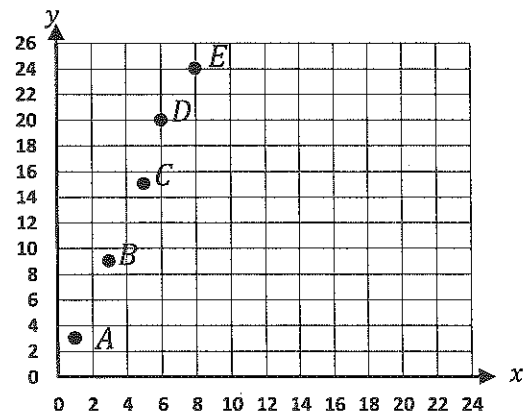


Which list of ordered pairs names the vertex locations?

- A. $(5\frac{2}{3}, 7\frac{1}{3}), (8\frac{1}{3}, 1\frac{2}{3}), (2\frac{1}{3}, 3\frac{2}{3})$
- B. $(6\frac{1}{3}, 8\frac{2}{3}), (8\frac{1}{3}, 2\frac{1}{3}), (3\frac{2}{3}, 4\frac{1}{3})$
- C. $(5\frac{2}{3}, 7\frac{1}{2}), (8\frac{1}{2}, 1\frac{2}{3}), (2\frac{1}{2}, 3\frac{2}{3})$
- D. $(7\frac{1}{3}, 5\frac{2}{3}), (1\frac{2}{3}, 8\frac{1}{3}), (3\frac{2}{3}, 2\frac{1}{3})$

8. Sue graphed the points found in the input-output table.

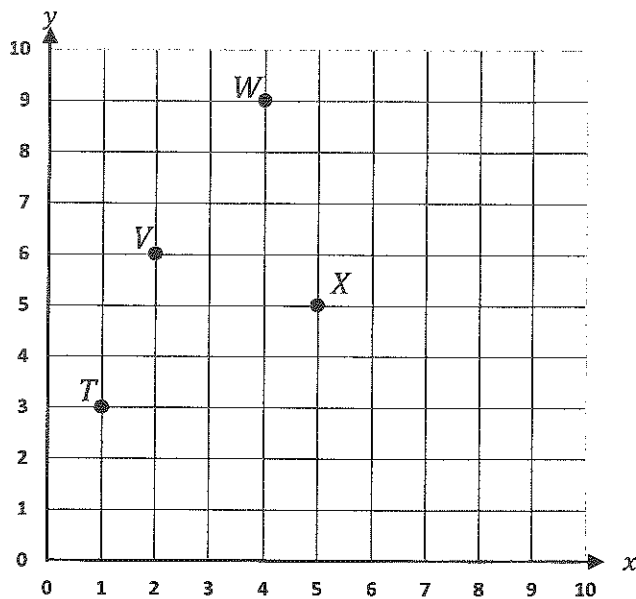
Point	Input,	Output,
	x	y
A	1	3
B	3	9
C	5	15
D	6	18
E	8	24



Sue made one mistake. Which point is graphed incorrectly?

- F. Point A
- G. Point B
- H. Point C
- J. Point D

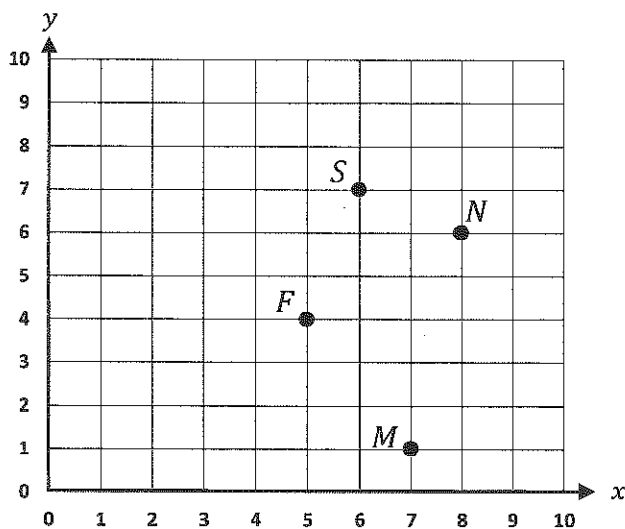
9. Four points are graphed on the coordinate grid below.



Which point has an input (x – value) greater than 2, and an output (y – value) less than 7?

- A. Point *T* B. Point *V* C. Point *W* D. Point *X*

10. Eli will place point R at the coordinates (8, 3) on the coordinate grid below.



Eli will circle the point that is 2 units left and 4 units up from (8, 3). Which point will Eli circle?

- F. Point *M* G. Point *F* H. Point *S* H. Point *N*