

Practice 11-8

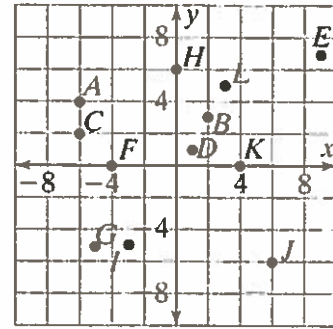
Graphing in the Coordinate Plane

Name the point with the given coordinates in the coordinate plane at the right.

1. $(2, 3)$ _____ 2. $(-4, 0)$ _____
 3. $(-3, -5)$ _____ 4. $(0, 6)$ _____

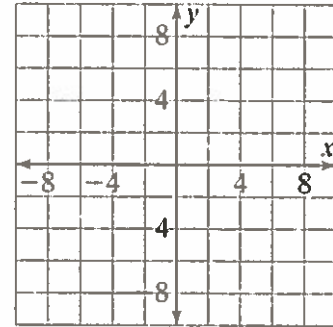
Find the coordinates of each point at the right.

5. J _____ 6. E _____
 7. D _____ 8. A _____
 9. G _____ 10. C _____



Graph each point on the coordinate plane at the right.

11. $A(8, -4)$ 12. $B(-4, 8)$
 13. $C(4, 8)$ 14. $D(-8, -4)$
 15. $E(8, 4)$ 16. $F(-4, -8)$
 17. A taxi begins at $(4, -3)$. It travels 3 blocks west and 5 blocks north to pick up a customer. What are the customer's coordinates?

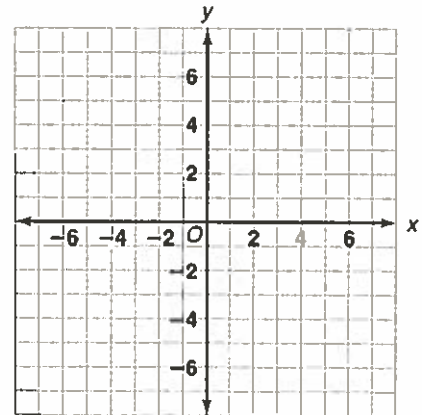


18. A moving truck fills up a shipment at an old address, at $(-2, 1)$. It travels 7 blocks south and 6 blocks east to the new address. What is the location of the new address?

Use the coordinate plane at the right.

19. Graph four points on the coordinate plane so that when the points are connected in order, the shape is a rectangle. List the coordinates of the points.

20. Graph four points on the coordinate plane so that when the points are connected in order, the shape is a parallelogram that is not a rectangle. List the coordinates of the points.



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Puzzle 11-8

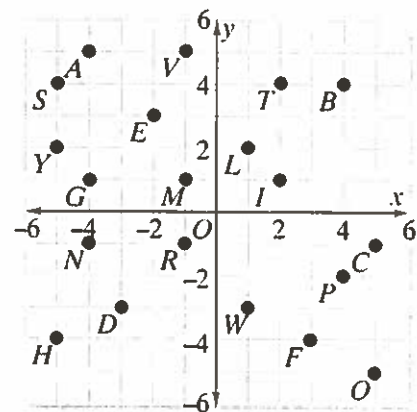
Graphing in the Coordinate Plane

For Exercises 1 and 2, use the coordinates given below each blank to locate the correct letter on the graph. Write the letter on the blank to answer the riddles.

1. The capital of Nebraska is named after which U.S. President?

_____ $(-4, 5)$ $(4, 4)$ $(-1, -1)$ $(-4, 5)$ $(-5, -4)$ $(-4, 5)$ $(-1, 1)$

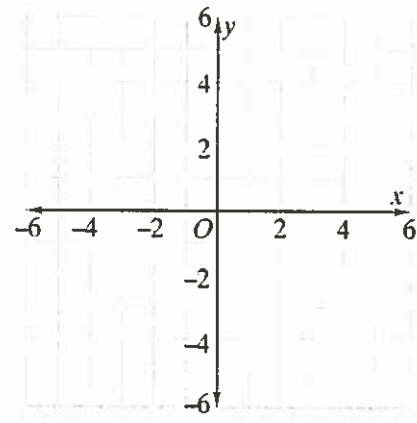
_____ $(1, 2)$ $(2, 1)$ $(-4, -1)$ $(5, -1)$ $(5, -5)$ $(1, 2)$ $(-4, -1)$



2. Write your own riddle. Fill in the graph with the letters you need to answer your riddle. Throw in a few extra letters just for fun. Then write down the **ordered** pairs below the answer line so the corresponding letters will give the answer to your riddle. Exchange with a friend and solve each other's riddles.

Riddle: _____

Answer: _____



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