

Graphing Functions: Skill 5 - 18E

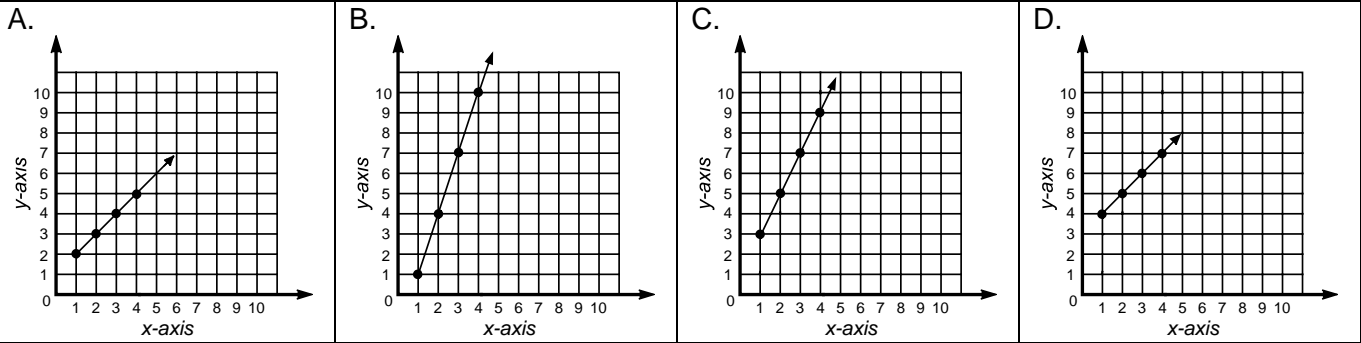
Graph a Function

Answers to test question 18E

1. Use the following equation to complete the table. $y = 3x - 2$

x	1	2	3	4
y	1	4	7	10

2. Which graph represents the function above?



Answer: B

Begin Here

Directions: Use the graph to answer the questions.

Write the ordered pair for each point. Problem number 1 is done for you as an example.

1. point *D* (9,7)

2. point *E*

3. point *F*

4. point *H*

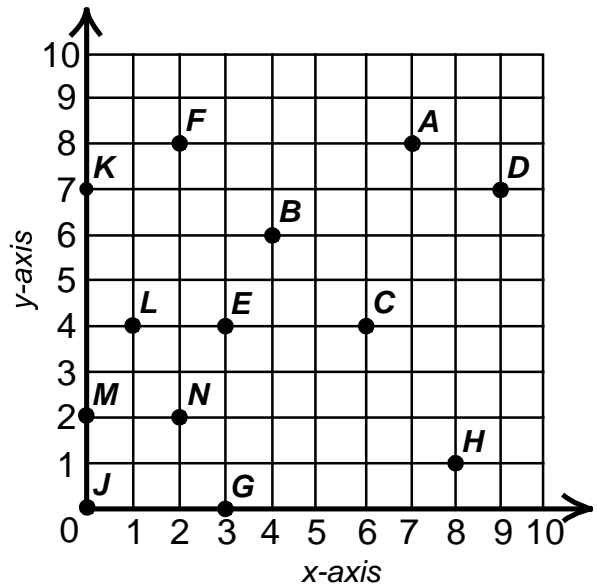
5. point *B*

6. point *K*

7. point *G*

8. point *J*

9. point *M*



Graphing Functions: Skill 5 - 18E

Graph a Function

Question 1: Part of this exercise is complete.

Use the equation $y = 2x$ to complete the function table below. Then plot each ordered pair on the graph and connect the points with a line.

x	0	1	2	3	4
y	0	2			

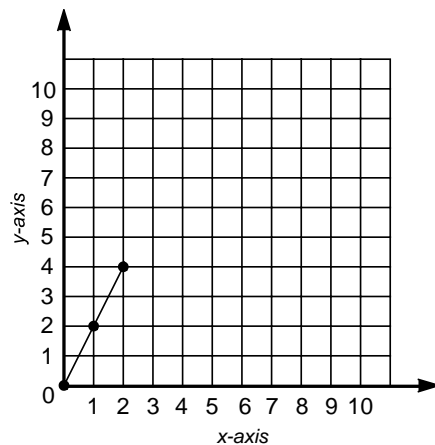
The function table above shows the first ordered pair (0,0). Now look at the coordinate graph and look at the location of the first point.

The x -coordinate is 0 and the y -coordinate is 0. A point is plotted at (0,0).

The next ordered pair is (1,2). Move along the x -axis on the graph to the number 1. Then move along the y -axis to the number 2. A point is plotted at (1,2).

The next ordered pair is (2,4). Again the point is plotted for you.

Complete the table, plot the ordered pairs on the coordinate graph and complete the line by connecting all of the points.

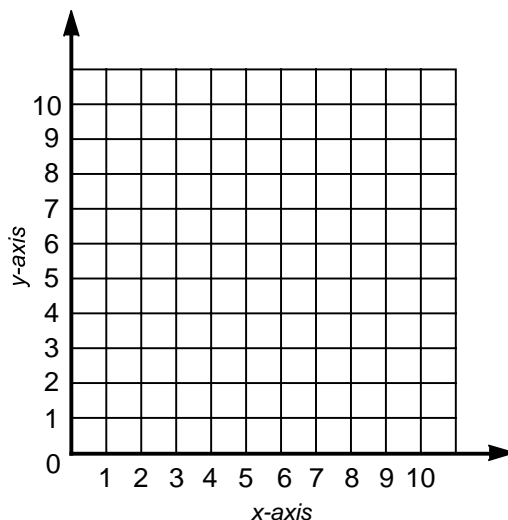


Complete each table using the equation. Plot points on the coordinate graph using the data from the table. Connect the points with a line.

2.

$$y = 3x$$

x	0	1	2	3
y				



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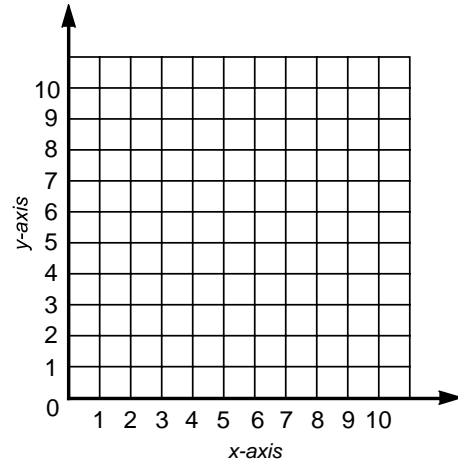
Graph a Function

Complete each table using the equation. Plot points on the coordinate graph using the data from the table. Connect the points with a line.

3.

$$y = 2x$$

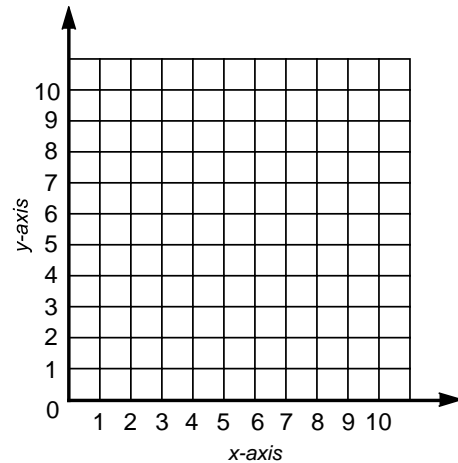
x	1	2	3	4	5
y					



4.

$$y = 3x + 1$$

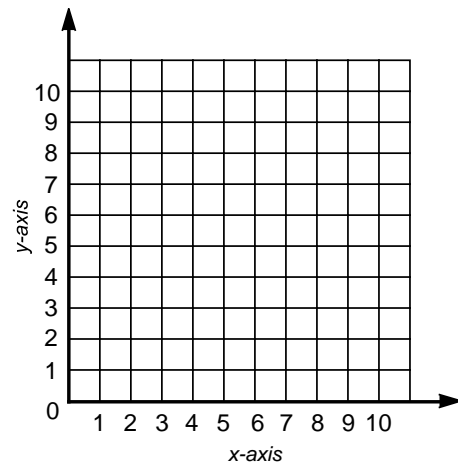
x	0	1	2	3
y				



5.

$$y = x + 1$$

x	3	4	5	6	7
y					



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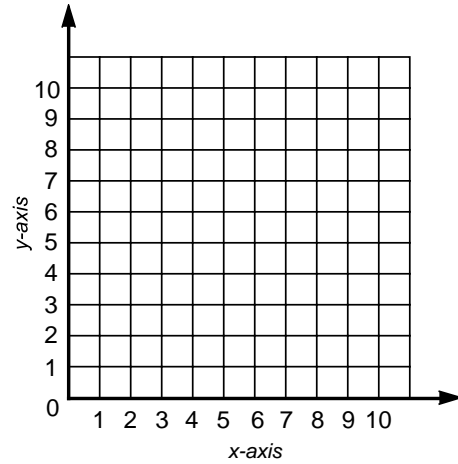
Graph a Function

Complete each table using the equation. Plot points on the coordinate graph using the data from the table. Connect the points with a line.

6.

$$y = 2x + 2$$

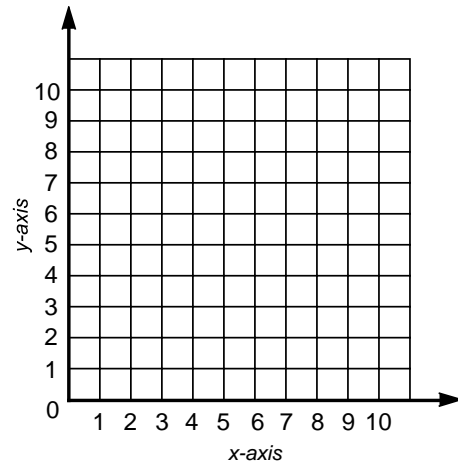
x	0	1	2	3	4
y					



7.

$$y = x + 3$$

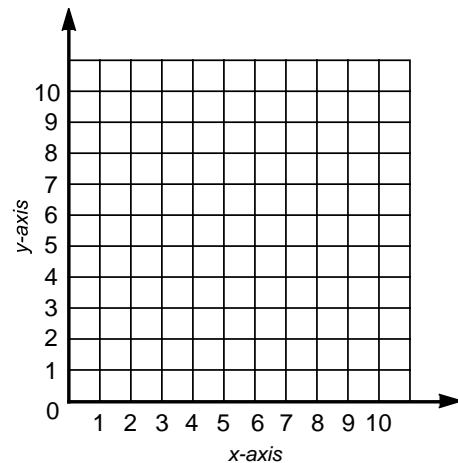
x	2	3	4	5	6
y					



8.

$$y = 2x + 1$$

x	0	1	2	3	4
y					



Answer Key, Grade 5, Skill 18E

1. (9,7)

2. (3,4)

3. (2,8)

4. (8,1)

5. (4,6)

6. (0,7)

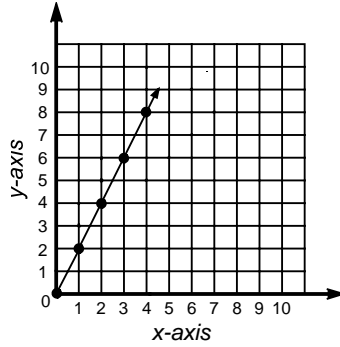
7. (3,0)

8. (0,0)

9. (0,2)

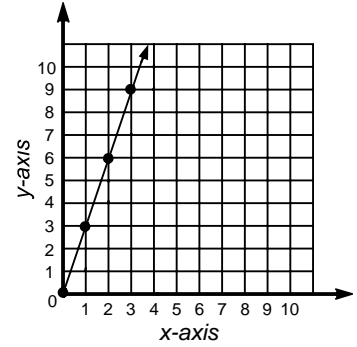
1. $y = 2x$

x	0	1	2	3	4
y	0	2	4	6	8



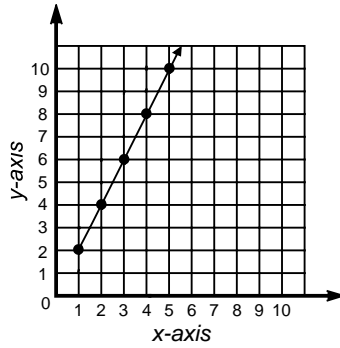
2. $y = 3x$

x	0	1	2	3
y	0	3	6	9



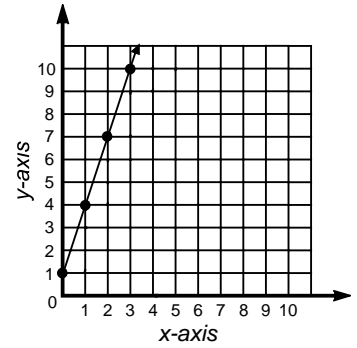
3. $y = 2x$

x	1	2	3	4	5
y	2	4	6	8	10



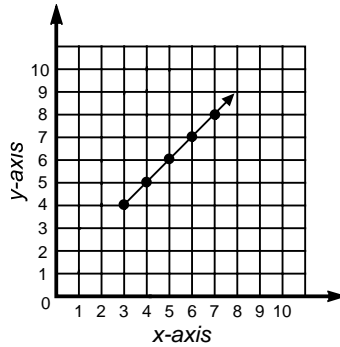
4. $y = 3x + 1$

x	0	1	2	3
y	1	4	7	10



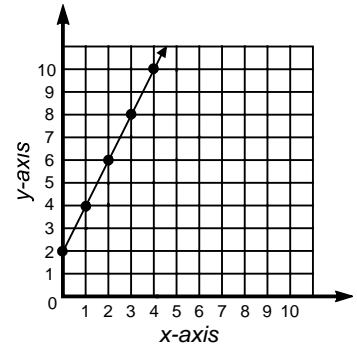
5. $y = x + 1$

x	3	4	5	6	7
y	4	5	6	7	8



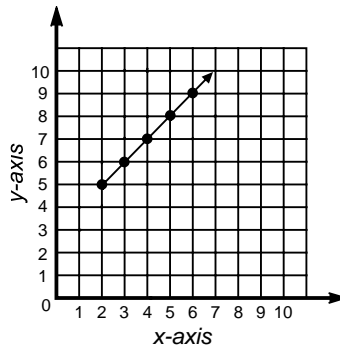
6. $y = 2x + 2$

x	0	1	2	3	4
y	2	4	6	8	10



7. $y = x + 3$

x	2	3	4	5	6
y	5	6	7	8	9



8. $y = 2x + 1$

x	0	1	2	3	4
y	1	3	5	7	9

