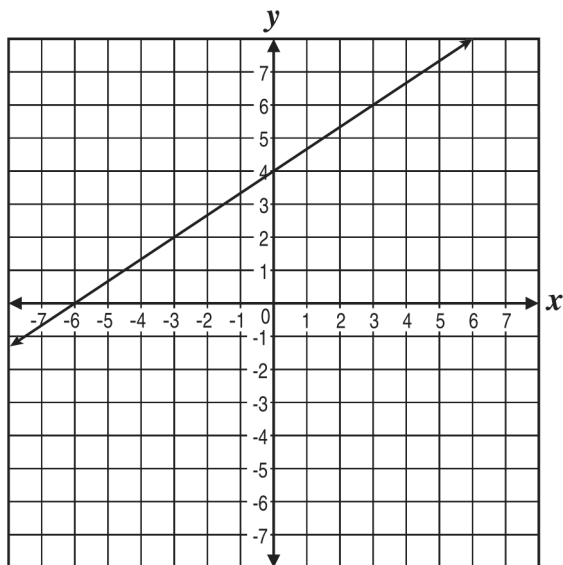


Unit 5 Linear Functions Practice Test

Name: _____

Date: _____

1. Which equation represents the line shown in the graph below?



- A. $y = \frac{2}{3}x + 4$ B. $y = \frac{2}{3}x - 6$
 C. $y = \frac{3}{2}x + 4$ D. $y = \frac{3}{2}x - 6$

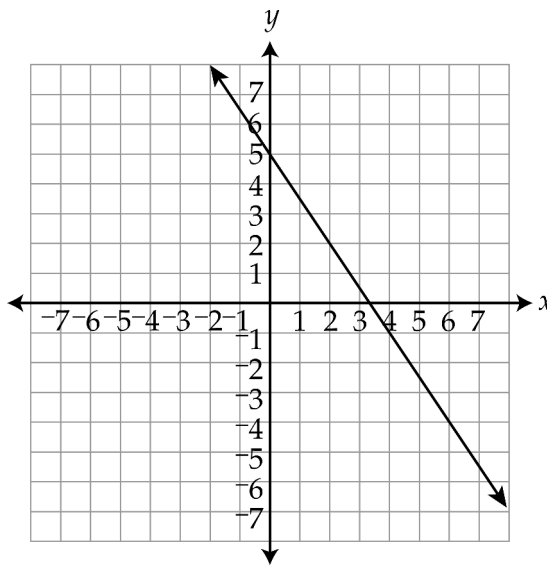
2. Look at the table of values.

x	y
-1	-4
0	-1
1	2
2	5
3	8

Which equation represents the relationship between x and y ?

- A. $y = x - 3$ B. $y = 3x + 1$
 C. $y = -x - 3$ D. $y = 3x - 1$

3. Use the graph below to answer the following question.



Which is an equation of the line?

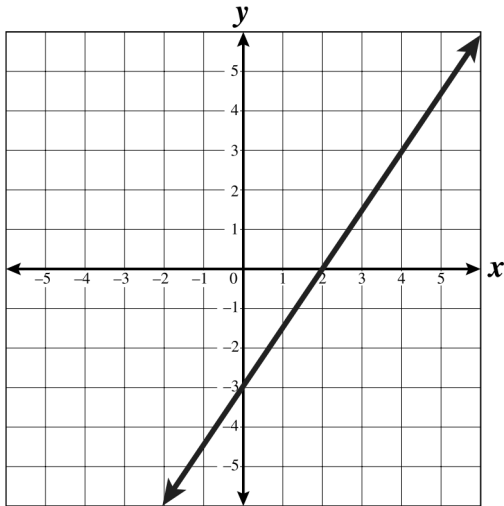
- A. $y = -\frac{2}{3}x + 5$ B. $y = \frac{2}{3}x - 5$
 C. $y = -\frac{3}{2}x + 5$ D. $y = \frac{3}{2}x - 5$

4. Which equation represents the data in the table?

n	C
10	70
20	100
30	130
40	160

- A. $C = 3n + 40$ B. $C = -3n - 40$
 C. $C = 3n - 100$ D. $C = -3n + 100$

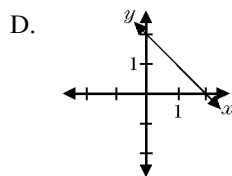
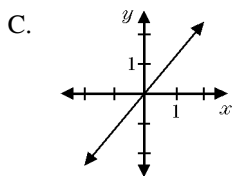
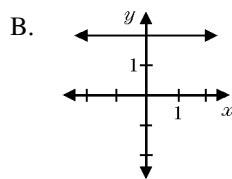
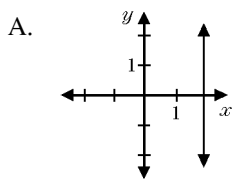
5. A line is shown on the coordinate grid below.



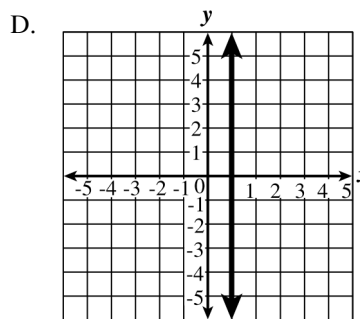
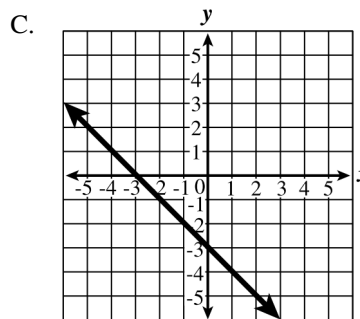
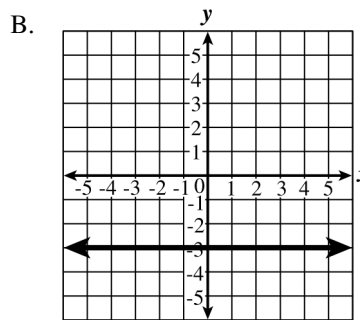
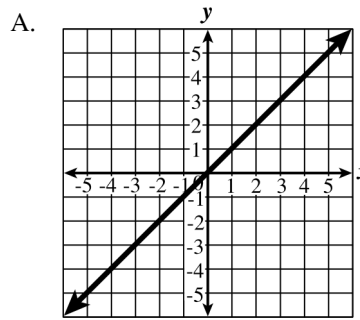
Which of the following best represents the y -intercept of the line?

- A. 2 B. $\frac{3}{2}$ C. $-\frac{2}{3}$ D. -3

6. Which is the graph of the equation $y = 2$?



7. Which of the following best represents the graph of a line with an undefined slope?



8. Which equation represents the pattern shown in the table below?

x	1	2	3	4	5
y	6	10	14	18	22

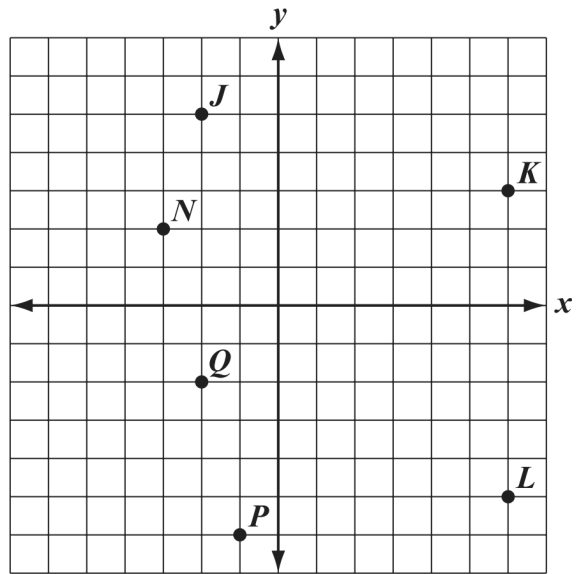
- A. $y = x + 4$ B. $y = 3x + 3$
 C. $y = 4x + 2$ D. $y = 6x$
9. The table below shows a relationship between x and y .

x	y
-5	14
-1	6
2	0
4	-4

Which of these equations describes this relationship?

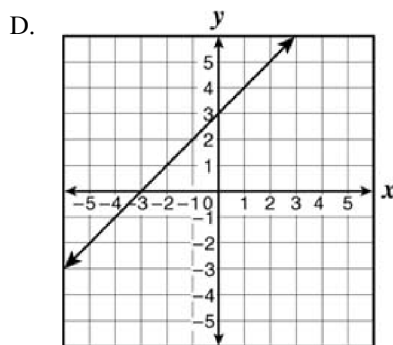
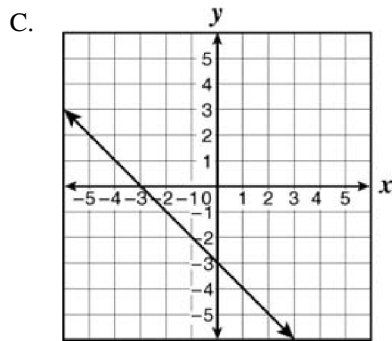
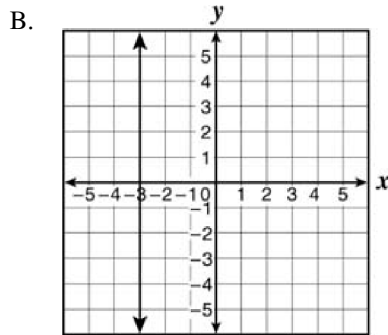
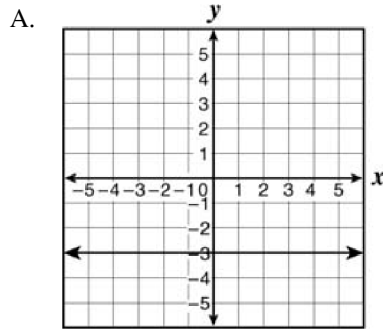
- A. $y = \frac{1}{2}x - 6$ B. $y = -\frac{1}{2}x - 2$
 C. $y = 2x - 4$ D. $y = -2x + 4$
10. What is the y -intercept of the line $2x - 3y = 12$?
- A. $(0, -4)$ B. $(0, -3)$
 C. $(2, 0)$ D. $(6, 0)$

11. Six points are plotted on the coordinate grid below.



- Which two points lie on a line with a slope closest to zero?
- A. N and J B. N and K
 C. P and L D. P and Q
12. What is the slope of the line containing the points $(-2, 5)$ and $(1, -7)$?
- A. -4 B. -2 C. 2 D. 4
13. Determine the slope of line with points located at $(-3, 2)$ and $(1, 2)$.
- A. -2 B. 5
 C. 0 D. Undefined

14. Which *best* represents the graph of $x = -3$?



15. Which equation represents the line passing through the points $(-2, 4)$ and $(2, 8)$?

- A. $y = -x + 2$ B. $y = -x + 6$
C. $y = x + 4$ D. $y = x + 6$

16. What is the equation of the line that has a slope of 4 and passes through the point $(3, -10)$?

- A. $y = 4x - 22$ B. $y = 4x + 22$
C. $y = 4x - 43$ D. $y = 4x + 43$

Unit 5 Linear Functions Practice Test 11/19/2019

1.
Answer: A
Points: 1

2.
Answer: D
Points: 1

3.
Answer: C
Points: 1

4.
Answer: A
Points: 1

5.
Answer: D
Objective: MA 10.P.2
Points: 1

6.
Answer: B
Points: 1

7.
Answer: D
Objective: MA 10.P.2
Points: 1

8.
Answer: C
Points: 1

9.
Answer: D
Points: 1

10.
Answer: A
Points: 1

11.
Answer: B
Objective: MA 10.P.2
Points: 1

12.
Answer: A
Objective: OH 8.PA.J
Points: 1

13.
Answer: C
Points: 1

14.
Answer: B
Points: 1

15.
Answer: D
Points: 1

16.
Answer: A
Points: 1