QUIZIZZ

NAME : _____

CLASS : _____
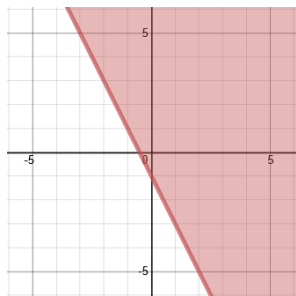
Graphing Linear Inequalities
15 Questions

DATE : _____

1.

Which point below is NOT part of the solution set?

| A | (-1, 5) | B | (5, 20) |
| C | (-10, -10) | D | (0, 0) |

2.   Consider the function y < 2x+3. Which is true?

| A | The line would be solid with shading above. | B | The line would be dashed with shading below. |
| C | The line would be solid with shading below. | D | The line would be dashed with shading above. |

3.   Which inequality is equivalent to
      -y < x - 8 ?

| A | y < x + 8 | B | y < -x + 8 |
| C | y > -x + 8 | D | y > x + 8 |

4.
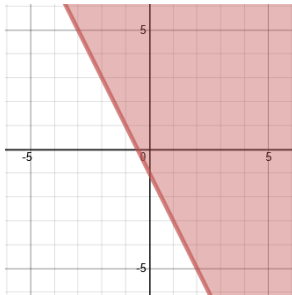
A	$y \leq 2x - 1$	B	$y \geq -2x - 1$
C	$y \geq 2x - 1$	D	$y \leq -2x - 1$

5.

$$y < -x + 3$$
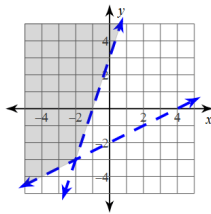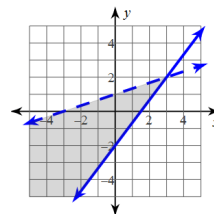$$y > x - 1$$

Solve the system of inequalities by graphing.

A
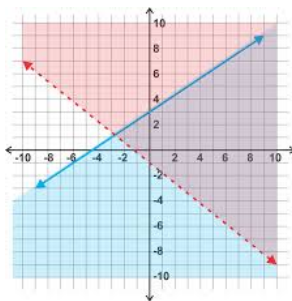

B

C
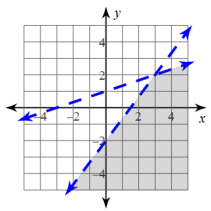
D
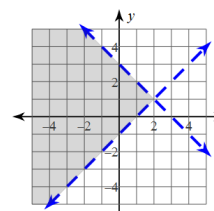
6.

Which of the following is not a solution to this system of inequalities?

A	(4,0)	B	(0,-1)
C	(6,-2)	D	(0,3)

7. When graphing an inequality, which symbols tell you to use a <u>dashed</u> line?

A	<, >	B	$\leq, \geq$

8.   When graphing an inequality, which symbols tell you to use a <u>solid</u> line?

A   <, >

B   ≤, ≥
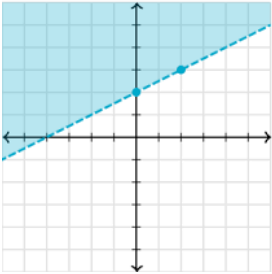
9.   Consider the function y < 2x+3. Which is true?

A   The line would be dashed with shading below.

B   The line would be solid with shading above.

C   The line would be dashed with shading above.

D   The line would be solid with shading below.

10.

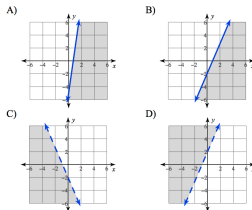which equation best represents this graph?

A   y < 1/2x + 2

B   y > 2x

C   y < 1/2x + 1

D   y >1/2x + 2

11.

Select the correct graph for each inequality.

A   C

B   D

C   A
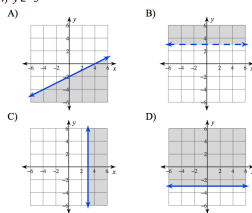
D   B

12.

Sketch the graph of each linear inequality.

4) $y \geq -3$

A)   B)

C)   D)

Select the graph for y ≥ -3.
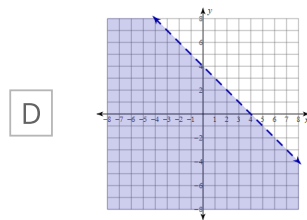
A	B
C	C

B	D
D	A

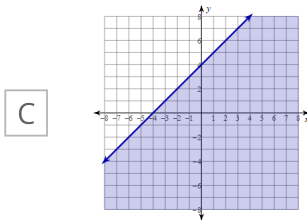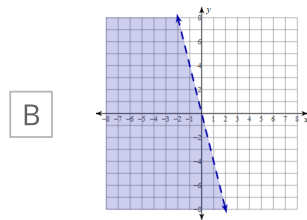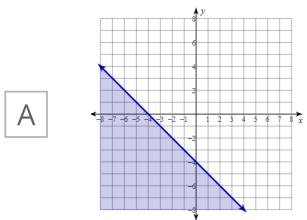**13.**

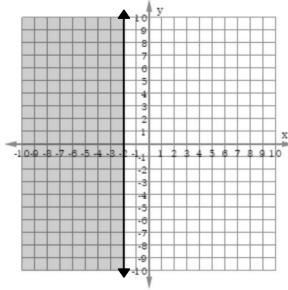Which of the graphs represents the linear inequality $y > \dfrac{1}{2}x + 3$?

A   B

C   D
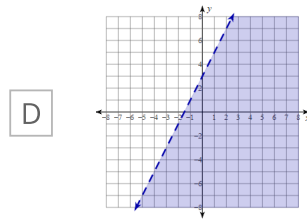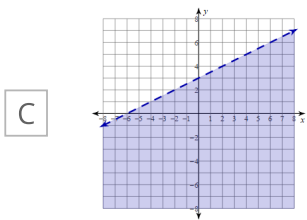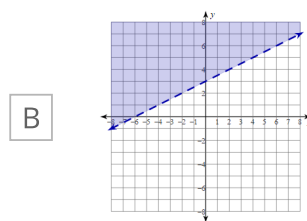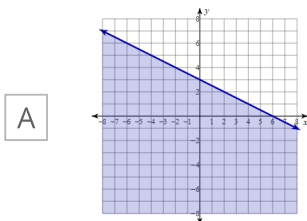
14.   Which of the graphs represents the linear inequality $y \leq -x - 4$?

A   B

C   D

15.

Which inequality represents the graph?

A $x + 2y \le 6$ B $y < -2$

C $x \le -2$ D $y \le -2x$

Answer Key

1.c	2.b	3.c	4.b
5.d	6.b	7.a	8.b
9.a	10.d	11.d	12.b
13.b	14.a	15.c	