



Name _____ Class _____ Date _____

1 When graphing inequalities, the symbols $>$ or $<$ mean the **equation line** should be **solid**.

True or false?

- A true
- B false

3 The **solution** of an inequality is represented on a graph by a **shaded area** either **above or below** the equation line.

True or false?

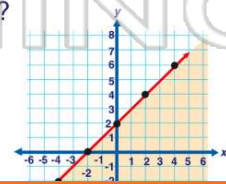
2 For the equation, $3x + 2y \geq 12$, the inequality's graph should have a **solid line**.

True or false?

- A true
- B false

4 Which **inequality** does this graph represent?

- A $y > x + 2$
- B $y < x + 2$
- C $y \geq x + 2$
- D $y \leq x + 2$



5

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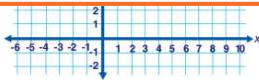


PREVIEW

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7

- B $x + 5y \geq -25$
- C $x + \frac{1}{2}y \geq -25$
- D $-x - 5y \leq -25$



- B (-4, 4)
- C (-4, 0)
- D (-2, 10)

9

Which **ordered pair** is not a solution for the inequality, $x - 4y \geq -24$?

- A (-1, 4)
- B (4, -1)
- C (-8, 8)
- D (8, 8)

10 Which **ordered pair** is a solution for the inequalities $y > x - 5$ and $y < -2x + 6$?

- A (4, 4)
- B (-3, -3)
- C (4, -8)
- D (8, -2)



ANSWER KEY

When graphing inequalities, the symbols $>$ or $<$ mean the **equation line** should be **solid**.

True or false?

- A true
- B false

(b)

For the equation, $3x + 2y \geq 12$, the inequality's graph should have a **solid line**.

True or false?

- A true
- B false

(a)

The **solution** of an inequality is represented on a graph by a **shaded area** either **above or below** the equation line.

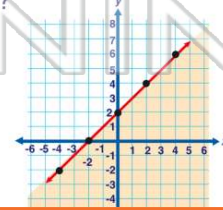
True or false?

- A true
- B false

(a)

Which **inequality** does this graph represent?

- A $y > x + 2$
- B $y < x + 2$
- C $y \geq x + 2$
- D $y \leq x + 2$



(d)



PREVIEW

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- C $x + \frac{1}{2}y \geq -25$
- D $-x - 5y \leq -25$

- A (4, 4)
- D (-2, 10)

Which **ordered pair** is not a solution for the inequality, $x - 4y \geq -24$?

- A (-1, 4)
- B (4, -1)
- C (-8, 8)
- D (8, 8)

(c)

Which **ordered pair** is a solution for the inequalities $y > x - 5$ and $y < -2x + 6$?

- A (4, 4)
- B (-3, -3)
- C (4, -8)
- D (8, -2)

(b)