



Name _____ Class _____ Date _____

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

True or false?

- A true
- B 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

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

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

- A $y > x + 2$
- B $y < x + 2$



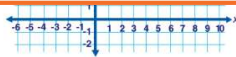
PREVIEW

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B $x + 5y \geq -25$

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

D $-x - 5y \leq -25$



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 $(8, -2)$



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(B)

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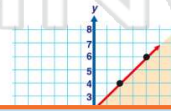
(A)

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(A)

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

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(D)

5



(B)

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7

- B $x + 5y \geq -25$
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- C (-4, 0)
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(A)

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- A (-1, 4)
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(C)

10

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

- A (4, 4)
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(B)