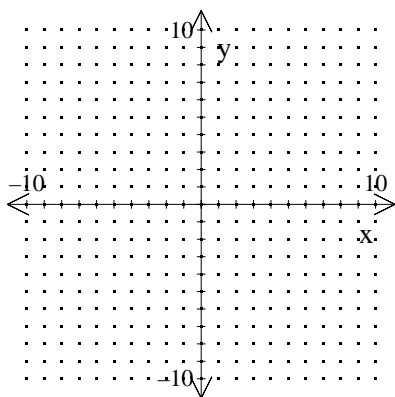


NAME: \_\_\_\_\_

*P.I. A.G.6: Graph linear inequalities*

1. Use the symbol  $\geq$  to write a linear inequality that has  $(-3, 3)$  as a solution. Draw a graph to show that  $(-3, 3)$  is a solution to your inequality.

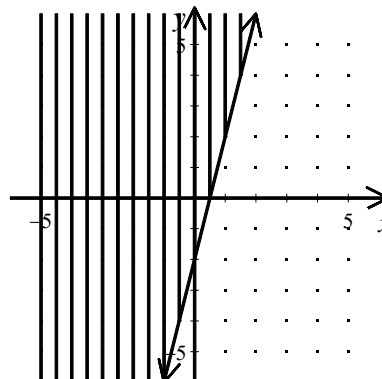


[1] \_\_\_\_\_

2. Write an inequality that has  $(-1, -15)$ ,  $(2, -2)$ ,  $(5, 8)$ , and  $(-5, -17)$  as solutions.

[2] \_\_\_\_\_

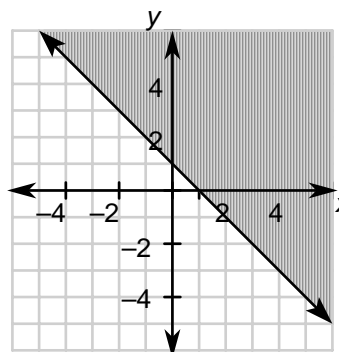
3. Which statement describes the graph?



- [A]  $4x - y \geq -2$       [B]  $4x - y > -2$   
[C]  $4x - y = -2$       [D]  $4x - y \leq 2$   
[E]  $4x - y < -2$

[3] \_\_\_\_\_

4. Which statement describes the graph?

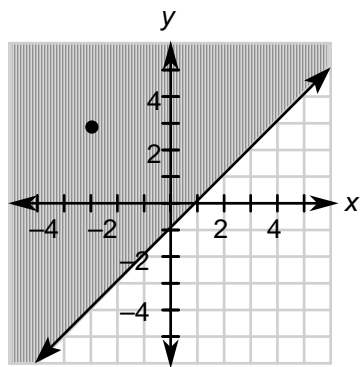


- [A]  $y > -x + 1$       [B]  $y \geq -x + 1$   
[C]  $y < -x + 1$       [D]  $y = -x + 1$   
[E]  $y \leq -x + 1$

[4] \_\_\_\_\_

Answers may vary. Sample:

$$y \geq x - 1$$



[1]

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[2] Answers will vary. Sample:  $y \geq 3x - 12$

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[3] D

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[4] B

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