

Russell County Schools Non-Traditional Instructional Expectations

Day: 6

School: RCHS

Course/Subject: Algebra I

Teacher: Pam Wilson

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Class Blog: pamwilson.wordpress.com

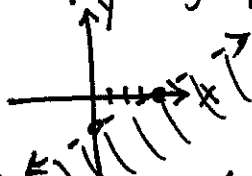
Learning Target: Graph linear Inequalities & solution region.
F.IF.7

Lesson Expectations: possible method:

⑧ $-x + 4y < -4$

a. Find intercepts + graph.

$$\begin{array}{r|l} x & y \\ \hline 0 & -1 \\ 4 & 0 \end{array}$$



b. since $<$ and not \leq
--- dotted line,
(boundary not included)

c. Test (0,0)

$$-(0) + 4(0) < -4$$

$$0 + 0 < -4$$

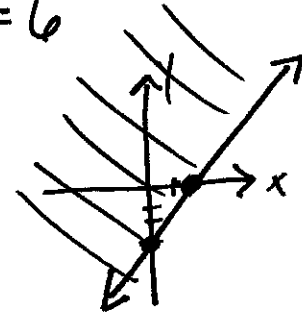
$$0 < -4$$

False. so shade on
other side of boundary

Quadrants I, III, IV
excludes boundary.

⑥ $3x - 2y \leq 6$

$$\begin{array}{r|l} x & y \\ \hline 0 & -3 \\ 2 & 0 \end{array}$$



b. Since \leq use
solid line.

c. Test a point. (0,0)

$$3(0) - 2(0) \leq 6$$

$$0 - 0 \leq 6$$

$$0 \leq 6$$

true, so shade in
that direction/region.

All quadrants,
includes boundary.

For Alternate Assignment Options:

Visualpatterns.org

Which One Doesn't Belong Website: wodb.ca

Estimation180.com

Desmos.com

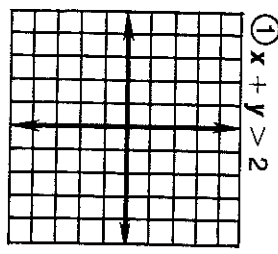
For Supplemental Resources/Support: pamwilson.wordpress.com

For Teacher Support: pam.wilson@russell.kyschools.us

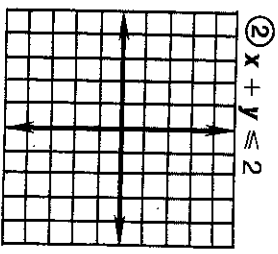
***Reminder: Assignments are due back to teachers within 2 school days.**

Why Did The Roman Coliseum Go Broke?

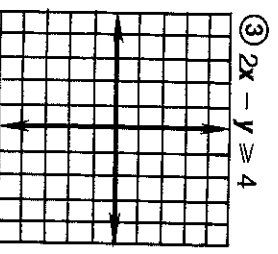
Graph any inequality below. Then read the three statements that appear under the coordinate grid for that exercise. Circle the letter of the statement that correctly describes the location of the graph. Write this letter in each box at the bottom of the second page that contains the number of that exercise.



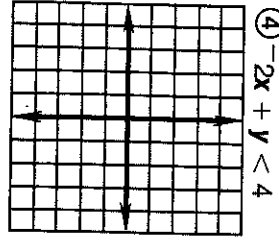
- K** Quadrants I, III, IV; includes boundary line.
- A** Quadrants I, II, IV; excludes boundary line.
- G** All four quadrants; excludes boundary line.



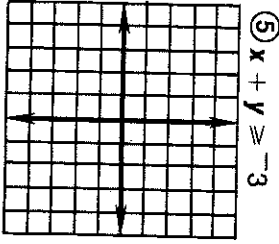
- I** Quadrants I, II, IV; includes boundary line.
- S** Quadrants I, II, III; excludes boundary line.
- E** All four quadrants; includes boundary line.



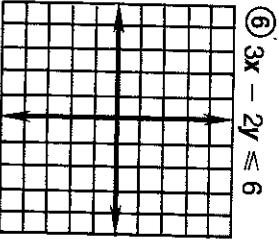
- C** All four quadrants; includes boundary line.
- R** Quadrants I, III, IV; includes boundary line.
- Y** Quadrants I, III, IV; excludes boundary line.



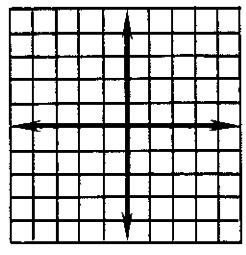
- O** All four quadrants; excludes boundary line.
- F** Quadrants II, III, IV; excludes boundary line.
- I** Quadrants I, II, III; excludes boundary line.



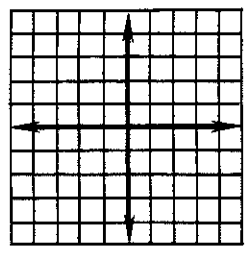
- D** All four quadrants; excludes boundary line.
- N** Quadrants II, III, IV; includes boundary line.
- S** All four quadrants; includes boundary line.



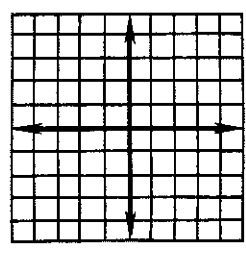
- U** All four quadrants; includes boundary line.
- B** Quadrants II, III, IV; includes boundary line.
- V** Quadrants I, III, IV; includes boundary line.



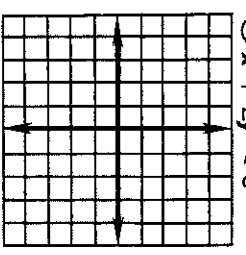
- T** Quadrants I, II, III; includes boundary line.
- M** All four quadrants; excludes boundary line.
- H** Quadrants I, II, IV; excludes boundary line.



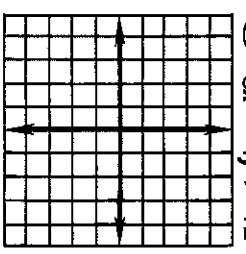
- P** All four quadrants; includes boundary line.
- I** Quadrants I, III, IV; excludes boundary line.
- F** All four quadrants; excludes boundary line.



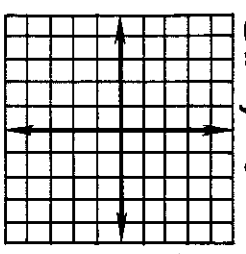
- L** Quadrants I, II, IV; includes boundary line.
- N** Quadrants I, II, III; excludes boundary line.
- T** All four quadrants; excludes boundary line.



- L** All four quadrants; includes boundary line.
- Y** Quadrants I, II, IV; includes boundary line.



- P** Quadrants II, III, IV; includes boundary line.
- C** All four quadrants; excludes boundary line.



- P** Quadrants I, III, IV; includes boundary line.
- M** Quadrants I, II, IV; includes boundary line.

1	10	10	11	7	2	10	8	4	9	5	1	11	2	6	12
11	7	2	10	8	4	9	5	1	11	2	6	12	7	2	11
1	10	10	11	7	2	10	8	4	9	5	1	11	2	6	12

- M** Quadrants II, III, IV; includes boundary line.
- T** Quadrants II, III, IV; excludes boundary line.
- D** Quadrants I, II, III; includes boundary line.