

Russell County Schools Non-Traditional Instructional Expectations

Day: 2

School: RCHS Course/Subject: Algebra I Teacher: Pam Wilson

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Class Blog: pamwilson.wordpress.com

Learning Target: *Students will use knowledge of equations and graphs to determine which of the 4 examples does not belong in the group and explain their reasoning.*

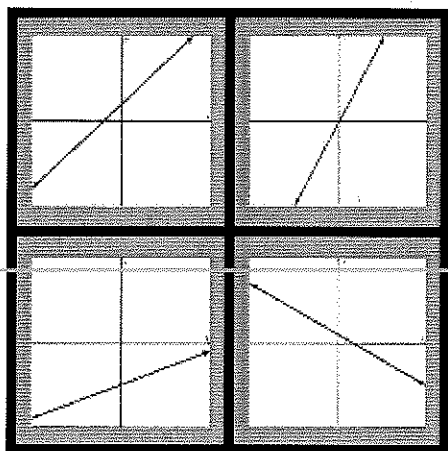
Lesson Expectations:

Students will read / do examples given inside of booklet.

Students will use models to help create their own WODB example.

Which One Doesn't Belong...

Look at the examples and decide which one doesn't belong in the group and explain your reasoning.



Possible responses:

Top right: is the only one that passes through the origin.

Bottom left: is the only one that has a negative y-intercept.

Bottom right: is the only one that is negative slope.

Top left: only one that has negative x-intercept.

$$(x - 2)(x + 2) \quad (2x - 1)(x + 4)$$
$$(x + 4)(x + 1) \quad (m - 4)(m + 1)$$

Possible Responses:

Top right: both parenthesis match except one adds and one subtracts

Bottom left: both expressions are addition

Bottom right: larger number is subtracting.

Top right: the only one that would have a non-integer root.

For Alternate Assignment Options:

Visualpatterns.org

Which One Doesn't Belong Website: wodb.org

Estimation180.com

Desmos.com student.desmos.com

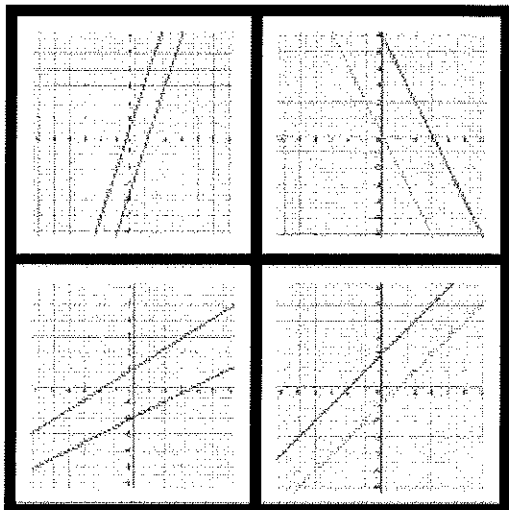
[Would You Rather Math](http://WouldYouRatherMath.com)

For Supplemental Resources and Support: pamwilson.wordpress.com

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

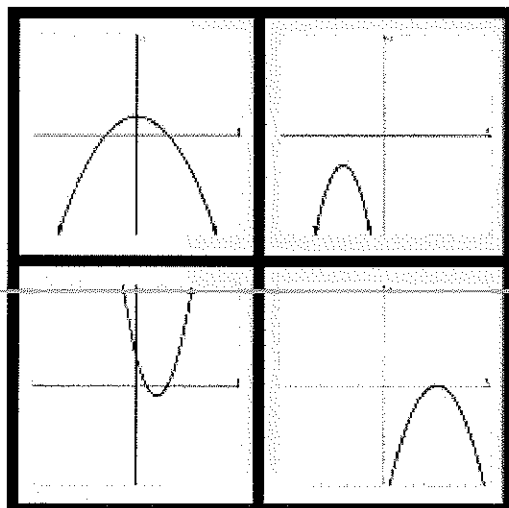
***Reminder: Assignments are due back to teachers within 2 school days.**

WODB? Look at the examples and decide which one doesn't belong in the group and explain your reasoning.



$$(2x + 1)(x + 5) \quad (x^2 + 1)(x + 5)$$

$$(t + 1)(t + 5) \quad x(x+5)$$

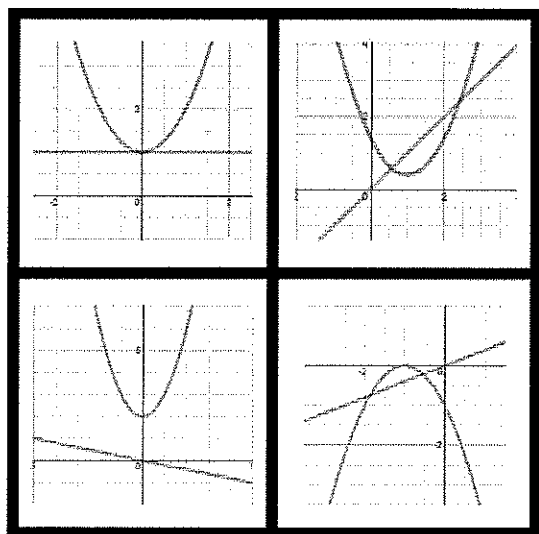


$$y = 4x + 3$$

$$y = -4x + 5$$

$$y = \frac{1}{4}x + 5$$

$$y = 4x - 5$$



$$y = x^2 \quad y = b^x$$

$$y = x \quad y = \sqrt{x}$$

Create your own WODB. Give reasoning for a possible answer. Turn in to Mrs. Wilson