

I understand that the intent of this review is to get me ready for my **Module 3 Test** that I will be taking in class on **Wednesday, January 16**. During the review day I will be expected to engage in the learning through individual activities. If at any point I am unable to solve a problem I will first use my resources, *and then* sign up for a conference. I may be expected to take work home if I do not complete the assignments during the review session.

X \_\_\_\_\_

## Review Activities

### Color by Number Learning Targets

- I can order and compare rational numbers
- I can order and compare the absolute values of rational numbers

### Self-Check Learning Targets

- I can plot rational numbers on the coordinate plane
- I can reflect rational numbers on the coordinate plane
- I can find distance between coordinates points

### Riddle Learning Targets

- I can find the absolute distance between integer values
- I can find the multiplicative inverse of a number
- I can find the additive inverse of a rational number
- I understand what zero can represent

### IXL.com (Skill X.1, X.2, X.3, X.3, X.4, X.5, X.6)

- I can plot points on the coordinate plane
- Getting to 100% mastery on X.1 will make sure you practice plotting points with decimal values

### Extension

- Create an Interactive Power Point
- Math Investigation - Search videos to learn how to add, subtract, multiply, and divide rational numbers and then try those levels types of questions on older grade levels of IXL.

# Color By Number

$$\frac{12}{25} \square \frac{9}{17}$$

Order the numbers from greatest to least:

$|-5|$  -4 3 0 -2

- A.  $|-5|, -4, 3, 2, 0$
- B.  $|-5|, 3, 0, -2, -4$
- C. 3, 0,  $|-5|, -4, -2$

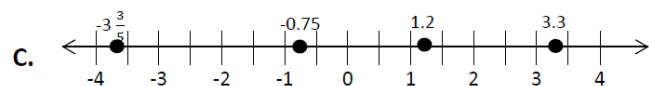
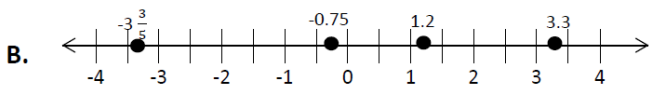
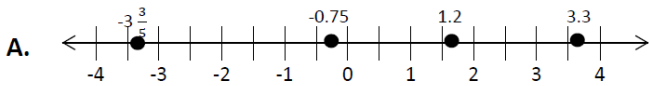
- A. <
- B. >
- C. =

Which inequality statement puts these numbers in order from least to greatest?

$-\frac{7}{10}$  -0.79 -0.76

- A.  $-\frac{7}{10} < -0.76 < -0.79$
- B.  $-0.79 < -\frac{7}{10} < -0.76$
- C.  $-0.79 < -0.76 < -\frac{7}{10}$

Which of the following has the values accurately plotted on the number line?

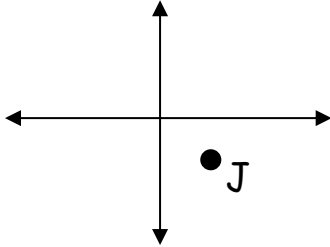
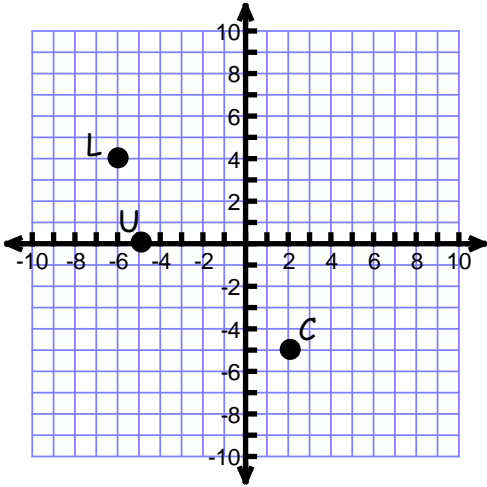


Black - A

Red - B

Blue - C

Self-Check Sheet

Solve each problem on the work space paper.	ANSWER
<p>Name an ordered pair that could be the coordinates of Point J?</p> 	<p><math>(+x, -y)</math></p>
<p>Name the coordinates for the following points:</p> <p>L _____</p> <p>U _____</p> <p>C _____</p> 	<p>L (-6, 4)</p> <p>U (-5, 0)</p> <p>C (2, -5)</p>
<p>You reflect point (3, 1) across the y-axis and then reflect the image across the x-axis. What are the coordinates of the final image?</p>	<p><math>(-3, -1)</math></p>
<p>What is the distance between (14, -5) and (29, -5)?</p>	<p><b>15</b></p>
<p>What is the distance between (-2, -3) and (-2, 8)?</p>	<p><b>11</b></p>

# Riddle

Find the answer to the riddle:

Where do NYC kids learn their multiplication tables?

**Use for #U, E and A:** In South America the highest peak is Mt. Aconcagua at 131 feet above sea level. The lowest point on land is the Valdes Peninsula at 131 feet below sea level.

**U** What is the meaning of 0 in this situation?

- A. The elevation of the highest point is 0 feet.
- B. The elevation of sea level is 0 feet.
- C. The elevation of the lowest point is 0 feet

**E** Write the highest elevation as a rational number: \_\_\_\_\_ feet

**A** Write the lowest elevation as a rational number: \_\_\_\_\_ feet

**M** What is the multiplicative inverse (reciprocal) of 13?

**S** What is the additive inverse of  $-2\frac{1}{2}$ ?

**T** What is the additive inverse (opposite) of 13?

**I** Fred was in debt. His bank account was  $-\$10.00$ . He received  $\$10.00$  for his birthday, put the money in the bank, and was given a  $\$10.00$  credit. How much is his bank balance now?

**Q** True or false:  $-3^\circ C$  is below freezing.

**R** True or false:  $-284$  ft would mean 284 feet above sea level.

-13	0	$\frac{1}{13}$	131	$2\frac{1}{2}$		$2\frac{1}{2}$	True	B	-131	False	131

# ANSWER KEY

<b>T</b>	<b>I</b>	<b>M</b>	<b>E</b>	<b>S</b>		<b>S</b>	<b>Q</b>	<b>U</b>	<b>A</b>	<b>R</b>	<b>E</b>
-13	30	$\frac{1}{13}$	131	$2\frac{1}{2}$		$2\frac{1}{2}$	True	B	-131	False	131