name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_ Week x Week #21: 2/10 – 2/17, 2017

Solve each problem. Make sure that you show ALL WORK involved in solving the problem in order to get full credit.

|  |  |  |
| --- | --- | --- |
| http://math.fullcoll.edu/art/sample-graphs/linear-graph-8.pngWhat is the slope of the line graphed above?What is the y-intercept of the line graphed above?Write the slope-intercept equation of the line graphed above. | Find the length of the rectangle. Round to the nearest tenth if necessary.What is the perimeter of the rectangle?*If* $0.3x+2=5$*, find the value of* $-6x$. | *Simplify. There should be NO negative exponents!** $\frac{m^{9}n^{3}}{m^{5}n^{6}}$
* ((73)2)0
* 4-3
* (x3y6)3
* b4 ∙ b-6
 |

name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_ Week x Week #21: 2/10 – 2/17, 2017

Solve each problem. Make sure that you show ALL WORK involved in solving the problem in order to get full credit.

|  |  |  |
| --- | --- | --- |
| http://math.fullcoll.edu/art/sample-graphs/linear-graph-8.png What is the slope of the line graphed above?What is the y-intercept of the line graphed above?Write the slope-intercept equation of the line graphed above. | Find the length of the rectangle. Round to the nearest tenth if necessary.What is the perimeter of the rectangle?*If* $0.3x+2=5$*, find the value of* $-6x$. | *Simplify. There should be NO negative exponents!** $\frac{m^{9}n^{3}}{m^{5}n^{6}}$
* ((73)2)0
* 4-3
* (x3y6)3
* b4 ∙ b-6
 |
| For lunch, Ray had a hamburger and potato chips. The hamburger had 325 calories and each chip had 12 calories. Write an equation that represents the total calories Ray consumed if he ate *x* potato chips.If the meal had 541 calories, how many chips did Ray eat?What will be the total calories that Ray consumes of he eats 12 potato chips? | What is the y-intercept of the line that goes through the points (-3,6) and (6,0)?Write the equation of the line that goes through the points (-3,6) and (6,0).A triangle has side lengths of 12 cm, 20 cm, and 18 cm. Is this triangle a right triangle? **Explain** why you know this?Put the following numbers in order from least to greatest:$$\frac{19}{3}, \sqrt[3]{64}, \sqrt{20}, 2.5^{2}$$ | *Evaluate. NO CALCULATOR!!!!!**\*\** $\frac{-36}{2}+ \frac{-72}{4}$*\*\** $\frac{-3(-7+2)}{21-6}$*\*\** $\left(6\right)\left(-2\right) + (-10)(-3)$Solve:$$\frac{1}{2}m+6= -7$$ |
| For lunch, Ray had a hamburger and potato chips. The hamburger had 325 calories and each chip had 12 calories. Write an equation that represents the total calories Ray consumed if he ate *x* potato chips.If the meal had 541 calories, how many chips did Ray eat?What will be the total calories that Ray consumes of he eats 12 potato chips? | What is the y-intercept of the line that goes through the points (-3,6) and (6,0)?Write the equation of the line that goes through the points (-3,6) and (6,0).A triangle has side lengths of 12 cm, 20 cm, and 18 cm. Is this triangle a right triangle? **Explain** why you know this?Put the following numbers in order from least to greatest:$$\frac{19}{3}, \sqrt[3]{64}, \sqrt{20}, 2.5^{2}$$ | *Evaluate. NO CALCULATOR!!!!!**\*\** $\frac{-36}{2}+ \frac{-72}{4}$*\*\** $\frac{-3(-7+2)}{21-6}$*\*\** $\left(6\right)\left(-2\right) + (-10)(-3)$Solve:$$\frac{1}{2}m+6= -7$$ |