name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_ Week x Week #22A: 2/17 – 2/24, 2017

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

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| http://t2.gstatic.com/images?q=tbn:ANd9GcRNF4tf_t9Wn5Z-QPqh3rHNNB0BnXUNy2EmgouzvjTLJnNQanf9CwWrite the equation for the line that is **parallel** to the line graphed above and goes through the point (-2, -1).Slope-intercept \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Point-slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Standard \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Simplify:* $(x-5)(2x+8)$
* (2a2 – 5a + 2) – (3 – 3a + 2a2)
* $\frac{(3st)^{2}u^{-4}}{s^{-1}t^{2}u^{7}}$
* $(\frac{2x^{3}y^{2}z}{3x^{4}yz^{-2}})^{-2}$
 | Simplify:* (x2y)(4xy3)
* (2x – 4)(3x + 2)
* (25a2b)3($\frac{1}{5}$abc)2
* 3b2(4a2b – 3ab2 + 5b3)
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| Simplify:(-5)2 – (0.5)-2$$\frac{1}{a^{4}∙a^{-5}}$$m(m-7n3)-2n-3http://t0.gstatic.com/images?q=tbn:ANd9GcScYo538pQZ0KrTjVYsAuqMeu6cAu2hFE3UEXSheRNedCnddyR0EAWrite an inequality to represent the following graph: | A square and a rectangle have the same perimeter. The length of the rectangle is 4 cm less than twice the side of the square, and the width of the rectangle is 6 cm less than the side of the square. Find the perimeter of each figure.Evaluate. Write your answer in scientific notation.$$\frac{1.17 × 10^{2}}{ 5 × 10^{-1}}$$(2.5 x 10-3)(6 x 1015) | Given the equation$$\frac{x}{3}- \frac{y}{4}=3$$Find the slope of the line.Find the y-intercept of the line.Mr. Angerer drove 211 miles in 4 hours and 15 minutes. Find his rate in miles per minute. |
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