name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_ Week x Week #23: 2/24 – 3/3, 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://collaborative.org/flvs/educator_algebra1_v10_gs/module04/imagemod04/04_06_04a_01.jpgWhat 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. | Connor left home and walked 8 blocks west. Then he turned and walked 6 blocks north. How many blocks is Connor from home?If each block is 500 feet long, how far is Connor from home?*If* $0.5x-10=2$*, find the value of* $-4x$. | *Simplify. There should be NO negative exponents!** $\frac{p^{7}n^{3}}{p^{4}n^{2}}$
* ((53)3)4
* 5-3
* (pq7)2
* $\frac{m^{4}}{m^{9}}$
 |

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| Mrs. Sergeant’s refrigerator is broken and she needs a repairman to fix it. The repairman charges $92 for parts and $32.50 per hour for labor. Write an equation to find the total charge, c, for the repairs if the repairman works for h hours.If the total bill comes to $140.75, how many hours did it take the repairman to fix the refrigerator at Mrs. Sergeant’s house?What will be the total charge for the repairs if the repairman works for $1\frac{3}{4}$ hours? | Write the equation of a line that goes through the points (-4,4) and (2,-11).A triangle has side lengths of 40 cm, 60 cm, and 50 cm. Is this triangle a right triangle? Explain why you know this?Put the following numbers in order from least to greatest:$$2\sqrt{10}, 6\sqrt{2}, 3\sqrt{5}, 4\sqrt{3}$$ | *Mrs. Twining just bought a big-screen TV set. The screen is 48 inches wide and 27 inches high. Find the length of its diagonal.*Simplify:$$0.\overline{36} ∙ \frac{11}{12}$$$$\sqrt[3]{64}-\sqrt{144}$$$$-5\left(2-10\right)- \sqrt[3]{8}$$ |
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