name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_ Week x Week #23M1: 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.jpgWrite the equation for the line that is perpendicular to the line graphed above and goes through the point (-1,-1).Slope-intercept \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Point-slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Standard \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Two angles are supplementary. The measure of one of these angles is 12o less than one third the measure of the other. What is the measure of each angle?*If…*$10\left(y-1\right)- 5= -20(3+y)$*, find the value of* $-10y$. | *Simplify.** $(4x-1)^{1}-(3x+2)(3x-2)$
* $(4ab^{-2}c^{3})^{-2}$
* $(2x-2)(3x^{2}+4x-5)$
* $\left(5x^{2}y\right)^{2}\left(2xy^{3}z\right)^{3}(-xyz)$
* $\frac{3wy^{-2}}{(w^{-1}y)^{3}}$
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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) in slope-intercept form.If -3x + y = -3 and 4x + 2y = 14, find the value of x.Put the following numbers in order from least to greatest:$$2\sqrt{10}, 6\sqrt{2}, 3\sqrt{5}, 4\sqrt{3}$$ | *Solve, graph, and write in interval notation:****-3 ≤ 7c + 4 < 18***Determine the amount of an investment if $250 is invested at an interest rate of 10.3% compounded quarterly for 40 years. |
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