name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_ Week x Week #19: 1/27 – 2/3, 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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| Simplify:      132 – 2.52 | Write the equation for the line that goes through these points:   |  |  | | --- | --- | | x | y | | 9 | 1 | | 15 | 5 | | 21 | 9 | | 27 | 13 |   Put the following numbers in order from least to greatest: | A square puzzle has an area of 289 in2. What is the perimeter of the puzzle?  Write the equation of the line that has a slope of and goes through the point (15,6).  What is the slope of the line that goes through the points (5,3) and (-5,9)? |

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| The Ricci family is building a new house on a square foundation. The floor area of the house is 1,316 ft2. What is the *length of one wall* of the house, to the nearest foot?  What is the *perimeter* of the Ricci’s new house?  If this prism is only filled one-third of the way with water, what is the volume of the water? | Each square root is between two consecutive integers. Name the integers: | [http://t1.gstatic.com/images?q=tbn:ANd9GcSRPF9KQy6Lr2tsNhQnx-6oIhjCPYelb8jSRHrhv6HYjnlat8mw0Q](http://www.google.com/imgres?q=coordinate+plane+quadrant+1&um=1&hl=en&qscrl=1&nord=1&rlz=1T4IRFA_enUS274US279&biw=1280&bih=533&tbm=isch&tbnid=hegxiGRYLuH_2M:&imgrefurl=http://mathbits.com/mathbits/studentresources/graphpaper/graphpaper.htm&docid=60fsecGKke5WWM&w=300&h=300&ei=drh2TsPvFZS4tgfUuYCrDA&zoom=1)Find the length of the hypotenuse of a triangle with coordinates (2,7), (2,0), and (10,7) |
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