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$$-\sqrt{169}$$$$\sqrt{100}+ \sqrt{64}$$ | 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 $\frac{1}{5}$ 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: $$\sqrt{80}$$$$-\sqrt{75}$$ | http://t1.gstatic.com/images?q=tbn:ANd9GcSRPF9KQy6Lr2tsNhQnx-6oIhjCPYelb8jSRHrhv6HYjnlat8mw0QFind the length of the hypotenuse of a triangle with coordinates (2,7), (2,0), and (10,7)  |
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