Grade 8 Week 24 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework: Tuesday, February 21, 2017**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺NO WORK! NO CREDIT!***

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| * Is π rational or irrational, and why?  1. Since π can be represented as a fraction of two rational numbers, π is rational. 2. Since π cannot be represented as a fraction of two rational numbers, π is rational. 3. Since π can be represented as a fraction of two rational numbers, π is irrational. 4. Since π cannot be represented as a fraction of two rational numbers, π is irrational. | What is the approximate value of √27?   1. 3.0 2. 5.2 3. 9.0 4. 13.5 |
| List all the angles congruent to the given angle. Explain your reasoning.  CCSS_C3_Ch5_L1_Skillsb.tif  Determine the measurement for angle 5. Explain your reasoning. | What value completes the list of numbers in order from *least* to *greatest*? |
| Which statement is true? | List the following from least to greatest.  2.5, , , , √6 |

**Homework: Wednesday, February 22, 2017**

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| The area of a square field is 625 square meters. What is the perimeter of the field?   * 1. 312.5 C. 156.5   2. 100 D. 25 | The diameter of a molecule is represented by 2.4 X 10-5. Which would be equivalent to its radius?   * 1. 0.000048 C. 0.000012   2. 0.000024 D. 0.0000024   Hint: 2r = d |
| The diameter of the sun is 1,391,000 kilometers.  Approximately, what is the sun’s diameter in miles written in scientific notation?  Use 1 mile = 1.6 kilometers. | 1. Francisca buys 3 pairs of shoes every 15 work days 2. Francisca buys one more pair of shoes than Anthony after a 9-week work period 3. Francisca and Anthony buy shoes at the same rate 4. Anthony gets 3 more days than Francisca from 4 pairs of shoes |
| **Classify each pair of angles as *alternate interior*, *alternate exterior*, or *corresponding*.**  ∠3 and ∠6  ∠7 and ∠3  ∠5 and ∠4 | https://app.masteryconnect.com/qti_proxy/banks/267/images/741453308045.PNGFour student solve the problem to the left.  Which student chose the correct method?   1. Kathy: Keep the same base. Subtract -5 from -2, and the result is the new exponent. Next, simplify 33. The simplified form is 27. 2. Aaron: Keep the same base. Add -5 to -2, and the result is the new exponent. Next, simplify 3-7. The simplified form is  . 3. Eva: Keep the same base. Multiply -5 and -2, and the result is the new exponent. Next, simplify 314. The simplified form is 4,782,969. 4. Matthew: Keep the same base. Divide -5 by -2, and the result is the new exponent. Next simplify 32.5. The simplified form is 15.6. |

**Homework: Thursday, February 23, 2017**

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| How do you find the slope and y-intercept using the calculator? (List at least one way.) | Joe calculated the length of a support wire to be √60 feet long. Which statement is the best method to approximate the value of √60?   1. Find the quotient of 60 and 2. The approximation of √60 is 60 divided by 2. 2. Square 60 and divide the result by 2. The approximation of √60 is 602 divided by 2. 3. Find two consecutive whole numbers with squares that are greater than and less than 60, respectively. The approximation of √60 is between these numbers. 4. Find two consecutive whole numbers which are greater than and less than 60. Square them and average the result. The approximation of √60 is between the square of these numbers. |
| How do you find the solution to a system of equations using the calculator? |

**Study for CFA #3 Good Luck Tomorrow!!! You can do it!!! 80% or better!!!!**