**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Milestones REVIEW #3 – Write FINAL ANSWER in box but MUST attach all scratch work as PROOF!! No work = No Credit***

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| #1  A circle is 75.36 yards in circumference. What is its diameter? Use 3.14 for π. | #2  Evaluate: 7x - yz  when x = -2 , y = 3 , & z = -4 | #3  What is the absolute value of -17? | #4  What is the opposite of  -9? | #5  Solve for x and graph the inequality.  -2x – 10 < 4 |
| #6  What are the steps of solving for x in this equation?  – 6 = 9 | #7  (-12x - 5y + 3) - (3x + 9y - 10) | #8  |-18 + -5| = | #9  Convert to a decimal. | #10  Mike charges $7 an hour to mow lawns plus an additional $10 to cover the cost of gas. Write an expression that shows Mike how much to charge his customers. |
| #11  There is a 3:5 ratio of boys to girls in FFA. There are 27 boys in FFA. Write a proportion to find the number of girls in FFA. | #12  Two angles that are mirror images of each other and are always equal in size are  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | #13  An airplane takes off 12.5 miles south of a city and flies due north at a constant speed of 170 miles per hour. What is the plane’s position relative to the city after 45 minutes? | #14  -27 + 19 | #15  Calculate Volume and Surface Area: |
| #16  An eight sided figure with two bases is called a(n)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | #17  Simplify:  -3x - 6y + 12 + -9x + 10y - 20 | #18  Translate:  five times a number decreased by three | #19  A cone is cut perpendicular to its base. What is the resulting cross-section? | #20  One angle measures 42 degrees. What is its complementary angle? |
| #21  Solve for x.  9x = -81 | #22  Write an inequality for the graph: | #23  How many times does ½ go into 1 ? | #24  Joe read the following number of minutes each day last week: 20, 30, 15, 20, 45, 10, and 20. What was the mode? | #25  Jill’s math grades are 88, 72, 80, 94, and 81. What is the mean of her grades? |
| #26  |-10.4| – |-5.25| = | #27  Which of the following describes the horizontal cross section of the right rectangular prism shown? | #28  -45 - 56 | #29  Your middle school is having a carnival. Admission into the carnival is $8, and each game inside the carnival costs $0.50. Write an inequality to represent the possible number of games g that can be played with $20? | #30  A series of points that extends in two directions without end is called a  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

***REMEMBER…***

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