**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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| --- | --- | --- | --- | --- |
| #1A circle is 75.36 yards in circumference. What is its diameter? Use 3.14 for π. | #2Evaluate: 7x - yzwhen x = -2 , y = 3 , & z = -4 | #3What is the absolute value of -17? | #4What is the opposite of -9? | #5Solve for x and graph the inequality.-2x – 10 < 4 |
| #6What are the steps of solving for x in this equation?$\frac{x}{3}$ – 6 = 9 | #7(-12x - 5y + 3) - (3x + 9y - 10) | #8|-18 + -5| = | #9Convert $\frac{8}{14}$ to a decimal.  | #10Mike 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. |
| #11There 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. | #12Two angles that are mirror images of each other and are always equal in size are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | #13An 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 | #15Calculate Volume and Surface Area:  |
| #16An eight sided figure with two bases is called a(n)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | #17Simplify:-3x - 6y + 12 + -9x + 10y - 20 | #18Translate: five times a number decreased by three | #19A cone is cut perpendicular to its base. What is the resulting cross-section? | #20One angle measures 42 degrees. What is its complementary angle? |
| #21Solve for x.9x = -81 | #22Write an inequality for the graph: | #23How many times does ½ go into 1 $\frac{1}{4}$ ? | #24Joe read the following number of minutes each day last week: 20, 30, 15, 20, 45, 10, and 20. What was the mode? | #25Jill’s math grades are 88, 72, 80, 94, and 81. What is the mean of her grades? |
| #26|-10.4| – |-5.25| = | #27Which of the following describes the horizontal cross section of the right rectangular prism shown? | #28-45 - 56 | #29Your 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? | #30A series of points that extends in two directions without end is called a\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

***REMEMBER…***

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