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

***Milestones REVIEW #1 – Write FINAL ANSWER in box but MUST attach all scratch work as PROOF!! No work = No Credit***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| #1  Solve and graph:  -3x + 2 > -4 | #2  In a survey, 10% of the people said they live in a city. If 60 people said they live in the city, how many TOTAL people were surveyed? | #3  The ratio of boys to total in a math class is 12:27.  How many **girls** are there in the class? | #4 | #5  -23.5 + -24 = \_\_\_\_\_\_  21 + -45 = \_\_\_\_\_\_ |
| #6  A 12-pound bag of dog food costs $12.36. A 15-pound bag costs $15.30. Which is the better deal? | #7  Frank’s Sports store has a 20% off sale on all of its merchandise. How much is the discount on a baseball glove that originally costs $25? | #8  What is 25% as a fraction in simplest form? | #9  Find the product of 9 and -3. | #10  Expand and Simplify:  \_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_ |
| #11  Combine like terms:  4a + 5 – a + 2 | #12  (-4.8)(-0.2) = \_\_\_\_\_\_ | #13  Sarah needs $60 for a trip. She has $32. She can earn $4 an hour babysitting. If the equation shows the relationship, how many hours must Sarah work to have the money she needs?  4*h* + 32 = 60 | #14  7 – 39 = \_\_\_\_\_\_  -1.2 – 3 = \_\_\_\_\_\_ | #15  Simplify using PEMDAS  52 x (4 ÷2) = |
| #16  Find the unit rate:  15 laps in 3 days  \_\_\_\_\_\_\_laps per day | #17  What is the missing value in the proportion?  21 = 7  6 ? | #18  Find the AREA of the figure below. (*Area = length x width)*  9.2 cm  10.3 cm | #19  Find the PERIMETER of the figure below. (*Perimeter = s + s + s + s)*  9.2 cm  10.3 cm | #20  Simplify using PEMDAS  63 ÷ (2 x 6) + 64 = |
| #21  Complete the table to find the missing ratios.   |  |  |  |  | | --- | --- | --- | --- | | 6 | 12 | 18 |  | | 5 | 10 |  | 20 | | #22  Evaluate the expression if **p=20**  4p - 3 = \_\_\_\_\_\_\_\_\_ | #23  Find the AREA of the figure below. (A = ) | #24  Find the CIRCUMFERANCE of the figure below. (C = or C = ) | #25  -48 ÷ -6 = \_\_\_\_\_\_ |
| #26  An airplane is 658 feet above sea level. A submarine is 79 feet below sea level. How far below the airplane is the submarine? | #27  Solve: -5x – 13 = 18 | #28  Write as an algebraic expression:  83 less than a number *n* | #29  (8x + 4y – 3) + (-5x – 10y – 4) | #30  Use the table to predict the cost of a dozen roses.   |  |  |  |  | | --- | --- | --- | --- | | **Roses** | **4** | **6** | **10** | | **Cost** | **$6** | **$9** | **$15** |   A dozen roses will cost $\_\_\_\_\_\_\_\_ |

***REMEMBER…***

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