Chapter 1 Test

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

Period: \_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Name the subset of the real numbers to which each number belongs. |  |
| Are these expressions rational or irrational?   |  |  |  | | --- | --- | --- | |  | Rational | Irrational | |  |  |  | |  |  |  | |  |
| Write an algebraic expression for the phrase, "The quotient of n and 6." |  |
| Write an algebraic expression for the phrase, "12 more than the quotient of -12 and t." |  |
|  |  |
| The table above shows the total cost of dance classes at a studio depends on the number of classes you take. What is the algebraic expression that models the relationship? (Use ‘n’ for the number of classes) |  |
| =  = |  |
| Which of the following is a solution to the equation ? Show your work. |  |
| Simplify each expression |  |
| Identify the property:   * Symmetric Property * Distributive Property * Transitive Property * Additive Property of Equality * Division Property of Equality   Identify the property:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| The above order of operations problem is incorrect. In which step is the mistake? |  |