**Openers #1-1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Each day when you come into class, there will be a problem projected for you to complete. Find the appropriate box to complete the problem in and work on it when you arrive.*

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| **Date:**  **\_\_\_\_ / \_\_\_\_/ \_\_\_\_** | 1-1  **Name the property.**  3 + 5 = 5 + 3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  5 + -5 = 0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  8 \* 1 = 8 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3● (4 ●5) = (3 ● 4) ● 5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3(4 + 7) = 3●4 + 3●7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  7 + 0 = 7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  9 ● (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Date:**  **\_\_\_\_ / \_\_\_\_/ \_\_\_** | 1-1-2  4x - 4  2x2 – 5x  4x - 4  2x2 – 5x  Positive integers, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ numbers. 1, 2, 3, 4, …  Nonnegative integers, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ numbers. 0, 1, 2, 3, …  …,-3,-2,-2,0,1,2,3,… is the set of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  A number that repeats or terminates is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ number.  A number that is infinite and non-repeating is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ number.  The system of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ numbers consists of all rational and irrational numbers.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ numbers consist of a real number and an imaginary number. |
| **Date:**  **\_\_\_\_ / \_\_\_\_/ \_\_\_** | 1-2  Simplify. (x2yz3)(-2xz2)(x3y-2)  Simplify. (3y3)4(4y2)-3  Rewrite with rational exponents.  Rewrite as a radical. |
| **Date:**  **\_\_\_\_ / \_\_\_\_/ \_\_\_** | 1-2-2  Simplify.  Simplify.  Simplify. |
| **Date:**  **\_\_\_\_ / \_\_\_\_/ \_\_\_** | 1-3  Factor. 8c6 – 27d9  Factor. 4x2 + 9  Factor. 5x3 + 10x2 – 20x - 40 |
| **Date:**  **\_\_\_\_ / \_\_\_\_/ \_\_\_** | 1-3-2  Factor. 6x2 + 7x – 20  Factor. 12x2 – x – 6  Factor. 7x2 + 10x - 8 |
| **Date:**  **\_\_\_\_ / \_\_\_\_/ \_\_\_\_** | 1-4  Simplify.  Simplify.  Simplify.  Rationalize. |
| **Date:**  **\_\_\_\_ / \_\_\_\_/ \_\_\_\_** | 1-4-2 |