Exam Review #3: Unit 7: Monomials and Polynomials Algebra 1 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_

**Directions**: *Match each vocabulary term by placing the correct letter in the space provided next to each number.*

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| \_\_\_\_\_\_\_\_1. Ascending order | 1. The number in front of the term. |
| \_\_\_\_\_\_\_\_2. Descending order | 1. When multiplying variables add the exponents. |
| \_\_\_\_\_\_\_\_3. degree | 1. Two or more terms separated by + and -. |
| \_\_\_\_\_\_\_\_4. coefficient | 1. When raising an exponent to an exponent multiply the exponents. |
| \_\_\_\_\_\_\_\_5. polynomial | 1. The highest exponent in a polynomial |
| \_\_\_\_\_\_\_\_6. Law of Exponent (multiplication) | 1. The terms of the polynomial are arranged from greatest to least. |
| \_\_\_\_\_\_\_\_7. Law of Exponent (division) | 1. When dividing variables subtract the exponents. |
| \_\_\_\_\_\_\_\_8. Law of Exponents (Exponent to Exponent) | 1. The terms of the polynomial are arranged from least to greatest. |

**Directions**: *Given the following polynomials label the following*:

a) The **degree** of the polynomial (highest number exponent)

b) Number of terms. (separated by + or – signs)

c) **Leading coefficient** (number in front of the term with the highest exponent)

d) Is it a binomial, trinomial, monomial or polynomial?

9. 10.

**Directions**: *Rearrange the polynomials so that they are in* ***descending order****: (greatest to least according to the exponent).*

11. 12.

**Directions**: *Add or subtract the polynomials.*

13. 14.

**Directions**: *Multiply the monomials and polynomials.*

18. 19.

20. 21.

22. 23.

**Directions**: *Simplify the monomials.*

9. 10. 11.

16. 17. 18.

**Directions**: *Find the quotient between the polynomials.*

19. 20. 21.