FOA Fall Semester Unit 1 – Real Numbers Unit 1Cumulative Review

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

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| 1. Which word is NOT another word that means to Multiply?
 |
| A. | Triple | B. | Product | C. | Square | D. | Twice/Double |

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| 1. Translate the algebraic expression to a verbal express: 8 **less than** x to the third power.
 |
| A. |  | B. |  | C. |  | D. |  |

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| 1. What is the coefficient with the highest power in the polynomial:
 |
| A. | 2 | B. | 4 | C. | 5 | D. | 7 |

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| 1. How many factors are in the following expression:
 |
|   |  |  |  |
| A. | 1 | B. | 2 | C. | 3 | D. | 4 |
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| 1. The height, h, of a cylinder is 3 units less than 4 times its radius, r. Which expression represents the height of the cylinder in terms of it’s radius?
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A. 4r + 3 B. 3 - 4r C. 4r – 3h D. 4r-3

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| 1. Which word is NOT another word that means to subtract?
 |
| A. | Difference | B. | Less Than | C. | Take Away | D. | Quotient |

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| 1. Translate the algebraic expression to a verbal express: The sum of 8 and twice a number.
 |
| A. |  | B. |  | C. |  | D. |  |

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| 1. How many terms are in the expression:
 |
| A. | 1 | B. | 4 | C. | 5 | D. | 11 |

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| 1. What are the term(s), coefficient(s), and constant(s):
 |
| A. | Term(s):  Coeff:  Con:  | C. | Term(s):  Coeff:  Con:  |
| B. | Term(s):  Coeff:  Con:  | D. | Term(s):  Coeff:  Con:  |

10(T). Which expression results in a rational number?

 Given: 

A. L + M B. M + N C. N + P D. P + L

12 (T). Which statement is **TRUE** about the value of the expression? 

A. It is rational because the product of two rational numbers is rational.

B. It is rational because the product of a rational number and an irrational number is rational.

C. It is irrational because the product of two irrational numbers is irrational.

D. It is irrational because the product of an irrational number and a rational number is irrational.

13 (T). Which of the following expressions results in a rational number?

A.  B.  C.  D. 