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

Study Guide for Unit 3: Equations & Expressions

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| 1. Prove that the expression matches the area diagram. |

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| 1. Combine like terms |

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| 1. Simplify this expression |

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| 1. Angelo is twice as old as Gina. Write this as an expression in 2 ways? |

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| 1. Write an expression to represent the following situation |

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| 1. Write an expression for the following situation. |

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| 1. Write an expression for the product of 5 and y. |

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| 1. Write an expression for 12 less than x. |

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| 1. Identify the parts of this expression   **3c + 12**  Variable \_\_\_\_\_\_\_\_\_  Constant \_\_\_\_\_\_\_\_  Coefficient \_\_\_\_\_\_\_\_\_  How many terms \_\_\_\_\_\_\_\_ |

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| 1. How does the commutative property help us with math? |

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| 1. The area of a square is represented by the expression A = s². If the side length of a square is s = 4, what is the area? |

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| 1. The surface area of a cube is represented by the expression S = 6s². If the side length of the cube is s = 2, what is the surface area? |

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| 1. The volume of a cube is represented by the expressions V = s³. If the side length of the cube is s = 3, what is the volume of the cube? |