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.
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| 1. Combine like terms

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| 1. Simplify this expression

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

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| 1.
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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?
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