



**OFFLINE MASTERY TEST A3-01 FOR INTEGRATED ALGEBRA 1 – FORM 1**  
(Order of Operations & Other Properties)

2. [30] Match each equation in the left column with its corresponding property from the right column:

\_\_\_  $2 + (7 + 4) = (2 + 7) + 4$

\_\_\_  $1 \times [-19] = -19$

\_\_\_  $6 + 9 = 9 + 6$

\_\_\_  $(-\frac{3}{11})(-\frac{11}{3}) = 1$

\_\_\_  $21 + 0 = 21$

\_\_\_  $(x \cdot y) \cdot z = x \cdot (y \cdot z)$

\_\_\_  $4 \cdot z = z \cdot 4$

\_\_\_  $a(b + c) = ab + ac$

\_\_\_  $-47 + 47 = 0$

- a. Additive Identity
- b. Additive Inverse
- c. Associative Property of Addition
- d. Associative Property of Multiplication
- e. Commutative Property of Addition
- f. Commutative Property of Multiplication
- g. Distributive Property
- h. Multiplicative Identity
- i. Multiplicative Inverse

3. [10] Kim has a \$2500 limit on her American Distress card. The outstanding balance on her last statement was \$1254. Since then she made a \$150 payment, four times have put \$30 worth of gas in her car, and bought 2 CDs at \$8.95 each plus 5% sales tax. What is Kim's new American Distress balance before finance charges? **NOTE: No credit will be awarded unless work is shown.**