Algebra: Variables and Expressions
(6.EE.A.2 and 5.OA.1)

Name: _____   Date: _____

Directions:

Evaluate expression (1) by substituting the given values for n:

Joe wants to buy some new apps which cost $.99 each plus tax, which is at a rate of 8%. He also wants to purchase a $5.00 gift card. Use the following expression to calculate how much money he will spend if n = the number of apps he purchases.

$$.99n + 5 + [(.99n + 5).08] \tag{1}$$

1)   n = 2

2)   n = 4

3)   n = 7

4)   n = 10

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Answer Key

1) $7.54
2) $9.68
3) $12.88
4) $16.09