

Algebra Lab 2.6: Algebra Tiles and the Distributive Property

Name _____

Date _____ Period _____

Visit the [Virtual Library of Manipulatives](#) *Algebra Tiles* activity and work on the problems below.

Follow these tips for multiplying using the algebra tiles:

- 1) Maximize and Clear the work area
- 2) Drag and drop the tiles that represent the factors from the expressions below to the “sideline” areas
- 3) Drag and Drop the tiles that represent the product to the work area

Model the following algebraic expression using algebra tiles, then fill-in the resulting products below:

a) $2(3) =$

b) $2(x) =$

c) $2x(3x) =$

d) $2(x + 1) =$

e) $3(x + 3) =$

f) $3(y + 5) =$

g) $2x(y + 4) =$

h) $(3 + y)2y =$

i) $3y(x + y) =$

j) $5x(x + 5) =$