Name _____   Date _____

Combining Like Terms with Bags and Blocks

Write a simplified expression to represent each bag/block model.

1) How many bags and blocks would you have if you doubled the model?
   Expression: _____ =_____

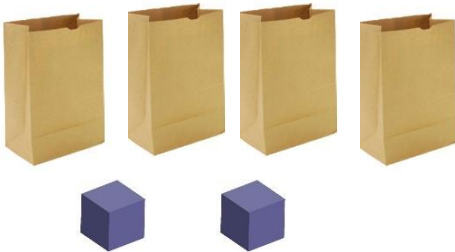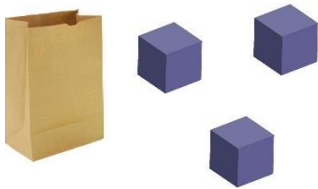2) How many bags and blocks would you have if you doubled the model?
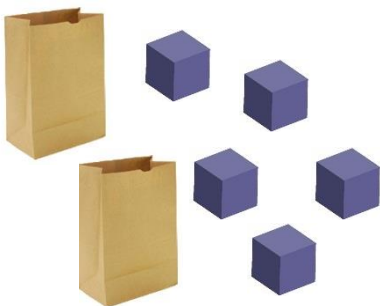
   Expression: _____ =_____

3) How many bags and blocks would you have if you tripled the model?
   Expression: _____ =_____

4) How many bags and blocks would you have if you tripled the model?
   Expression: _____ =_____

Draw a bag/block model to represent each expression and write the equivalent expression.

1) $2(x + 1) =$

2) $2(m + 4) =$

3) $2(2a + 3) =$

4) $2(3g + 2) =$

5) $3(w + 2) =$

6) $3(2b + 5) =$

7) $3(3n + 1) =$

8) $4(k + 2) =$

Distribute:

1) $3(x + 2) =$

2) $2(2m + 5) =$

3) $6(a + 1) =$

4) $7(2g + 8) =$

5) $3(3w + 3) =$

6) $6(2b + 4) =$

7) $4(3n + 2) =$

8) $5(k + 3) =$

9) $4(w + 8) =$

10) $5(2b + 3) =$

11) $8(n + 3) =$

12) $10(2k + 5) =$