

Learning Goal(s):

MPM 2DI

5.1 Multiply Polynomials

Date: _____

Recall: Here are some examples of algebra concepts.

Ex. 1 Simplify. (pay attention to the minor differences, i.e., addition vs. multiplication)

a) $2a + 3a$

b) $(2a)(3a)$

c) $2a + 3c$

d) $(2a)(3c)$

e) $2(x+3)$

f) $2x(x+7)$

g) $3x(2x+5y)$

For extra practice, choose from pp. 208-209 #1, 2, 3abc, 4abc, 6, 8, 9, 10

Ex. 2 Expand and Simplify. (see Algebra Tiles p.214...also "using smiles")

a) $(2x+3)(x+2)$

b) $(x+4)(x+7)$

c) $(x+5)(x-3)$

Ex. 3 Expand and Simplify

a) $(2x+5)(3x-4)$

b) $(2x-3y)(4x-5y)$

c) $-5(x+1)(x-4)$

d) $(3x+4)^2$

e) $(x+3)(x+4) - (2x-3)(x+6)$

Today's entertainment: p. 218 # 6, 7, 8abce, 10

Enrichment: pp. 218-219 #11, 12abc

(in c), use a table of values), 14