

DISTRIBUTIVITY

TEXT: 3.10, 3.11

LAST NAME	FIRST NAME	DATE
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1 (10 points). Simplify each expression by removing parentheses and/or combining similar terms. Show all algebraic work.

(a) $(7x + 5y - 4) - (3y - 7x + 1) =$

(b) $(x^2 - 6x) - (x - 3) + (-2x^2 - 2) =$

(c) $5(2x^2 - 3x - 1) =$

(d) $4(x - 5) - 3(2 - x) =$

(e) $(x + 2)(x - 2) =$

2 (10 points). Factor out the greatest common factor in each expression:

(a) $10x + 24 =$

(b) $5t^2 + t =$

(c) $-10y^2 - 5y^3 =$

(d) $20a^2b^2 + 15ab =$

(e) $3x^6y^2 + 3x^5y^7 =$