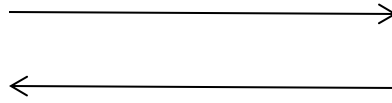


Factoring Review

Recall: Factoring is the opposite of expanding.

$$(3x + 1)(x - 4) = 3x^2 - 11x - 4$$



Method 1: Common Factoring

a. $4x^2 - 6x$

b. $2m^3 - 4m^2 - 16m$

c. $4ab^2 + 4a^2b - 5ab$

Method 2: Simple Trinomials

a. $x^2 + 5x - 6$

b. $m^2 - 3m - 28$

c. $x^2 - 5x + 6$

Method 3: Factoring by Grouping

a. $x^2 + x - xy - y$

b. $2x^2 + 4x + 6y + 3xy$

c. $5m^2t - 10m^2 + t^2 - 2t$

Method 4: Decomposition

a. $6x^2 + x - 12$

b. $4m^2 - 11m - 3$

c. $2a^2 + 13a + 15$