

Factor by Grouping: Homework

NAME: _____

Directions: Cut out the boxes and rearrange in order for each problem to show the factoring process. Each problem will have 3 boxes.

Example:

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

1.) $3c + 3b + ca + ab$

2.) $x^2 + xy + 7x + 7y$

4.) $9y^2 + 9y + 7xy + 7x$

3.) $5x^2 + 10x + x + 2$

5.) $8xy + 2x^2y + 4y + xy$
