

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:

$$2x + 6 + xy + 3y$$

$$(2x + 6) + (xy + 3y)$$

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

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

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

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

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

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

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

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