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		Date:
G	SM 2	Obje

Objective:

Section:

Steps Factoring a Trinomial of the Form $ax^2 + bx + c$ **by Grouping:** ****1.

2.			
3.			
4.			
5.			
6.			

Examples: Factor the following polynomials using grouping. a) $9h^2 + 9h + 2$ b) $3x^2 + 19x + 15$

ac = _____ *b* = ____

ac = _____ *b* = ____

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Factors of *ac*:

Factors of *ac*:

Which factors add to b?	Which factors add to b?
Factor the expression.	Factor the expression.

c) $2z^2 - 11z + 12$	d) $4p^2 - 20p + 21$		
$ac = _$ $b = _$	<i>ac</i> = <i>b</i> =		

Factors of *ac*:

Factors of *ac*:

Which factors add to b?WhichFactor the expression.Factor

Which factors add to b?

Factor the expression.

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e) $4n^2 - 20n + 25$	f) $10m^2 + 13m - 3$
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g)
$$12y^2 + 30y - 72$$
 h) $8k^4 + 42k^3 - 36k^2$

i) $3r^2 - 16r - 12$ j) $9x^2 - 4$