

Name:

Date:

Topic:

Class:

Main Ideas/Questions	Notes/Examples
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WARM-UP	Directions: Factor the following trinomials. Check for a GCF first.	
	1. $x^2 + 14x + 45$	2. $n^2 - 3n - 28$
	3. $2a^2 + 2a - 24$	4. $4p^2 - 24p + 20$

FACTORING TRINOMIALS of the form ↓ $ax^2 + bx + c$	When "a" cannot be factored out by GCF, we can possibly still factor the trinomial.	
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1	
2	
3	
4	

Example 1:	$2x^2 + 5x + 3$	Example 2:	$5m^2 - 17m + 6$

Example 3:	$6y^2 - 5y - 4$	Example 4:	$12c^2 + 11c - 5$

YOU TRY!

1. $3x^2 - 11x + 10$

2. $8y^2 - 10y + 3$

3. $9m^2 + 3m - 2$

4. $10p^2 - p - 2$

5. $4a^2 - 4a + 1$

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

EXAMPLES WITH A GCF

Directions: Look for a GCF first, then factor the remaining trinomial.

7. $10k^2 + 75k + 35$

8. $12x^2 + 2x - 2$

9. $15y^2 - 18y - 24$

10. $32w^2 - 16w + 2$