

Do Now:

1) $(x+3)(x-4)$

x	x^2	+3
4	.4x	-12

$$x^2 - \boxed{x} - 12$$

OR

2) $n^2 - n - 56$
 $(n+7)(n-8)$

$C = -56$	$B = -1$	
7. -8	7 + -8 = -1	

$$x^2 - x - 12$$

3) $k^2 - 13k + 40$

$(k-8)(k-5)$

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HW Answers

1. $(x - 9)(x + 3)$
2. $(x + 12)(x - 3)$
3. $(x - 7)(x + 5)$
4. $(x - 4)(x + 2)$
5. $(x + 14)(x - 2)$
6. $(x + 5)(x - 4)$

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Trinomial Factoring Day 2

Recall:

How do we factor trinomials?

$$x^2 + bx + c$$

1. Set up your binomial multiplication
2. Find two factors (m & n) of c that add up to b
3. Fill your parentheses with $(x+m)(x+n)$

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