

Do Now:

1. You are buying laminate flooring for a room in your house. You calculate the area of the room, in terms of x , to be $x^2 + 13x + 36$ square feet. You know that the width can be expressed as the expression $x + 4$ feet. Write an expression for the length.

$$x^2 + 13x + 36$$

$$(x^2 + 4x) + (9x + 36)$$

$$x(x+4) + 9(x+4)$$

$$(x+4)(x+9)$$

$AC = 36$	$B = 13$
$4 \cdot 9$	$4 + 9 = 13$
$a = 1 \quad b = 13$	
$c = 36$	

Feb 14-7:18 AM

HW Answers

- | | |
|----------------------|--------------------------|
| 1. $(2x + 3)(x + 5)$ | 20. $-1(5x - 6)(4x - 1)$ |
| 2. $(3x + 4)(x + 2)$ | 21. $-1(2x + 7)(x - 6)$ |
| 4. $(5x + 1)(x + 4)$ | 22. $5x - 8$ |
| 5. $(4x + 7)(x + 1)$ | |

Mar 11-7:12 AM

Quiz Topics

- GCF
- DOTS
- Trinomial Factoring ($A = 1$)
- Trinomial Factoring (AC Method)
- Grouping
- Geometric Applications (Area)



Mar 6-5:07 PM