

April 13, 2016

$$16t + 15t^2 - 15$$

$$15t^2 + 16t - 15 \quad ac = -225 \quad b = 16$$

+	-
25	9

Apr 13-9:25 AM

$$28x^2 + 12x - 88$$

$$4(7x^2 + 3x - 22) \quad ac = -154 \quad b = 3$$

+	-	=	
7	4	-28	3
9	6	-54	3
13	10	-130	3
14	11	-154	3

$$4[7x^2 + 14x - 11x - 22]$$

$$4[7x(x+2) - 11(x+2)]$$

$$4(x+2)(7x-11)$$

Apr 13-9:27 AM

6.5 Factoring Special Forms

$$(x+2)(x-2) = x^2 - 4$$

F: $x \cdot x = x^2$	} Difference of Two Squares
O: $x \cdot (-2) = -2x$	
I: $2 \cdot x = 2x$	
L: $2 \cdot (-2) = -4$	

Apr 13-9:44 AM

General

$$(a+b)(a-b) = a^2 - ab + ab + b^2$$

$$= a^2 - b^2$$

Difference of Two Squares

Apr 13-9:48 AM