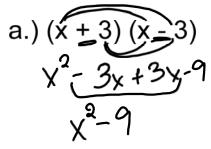
pp. 42-43

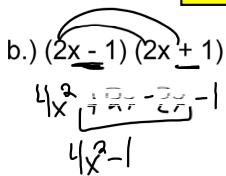
**Multiplying Polynomials-Special Products** 

## Warm Up:

p. 42

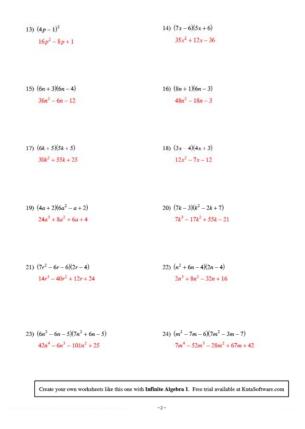
1) Find the following products:





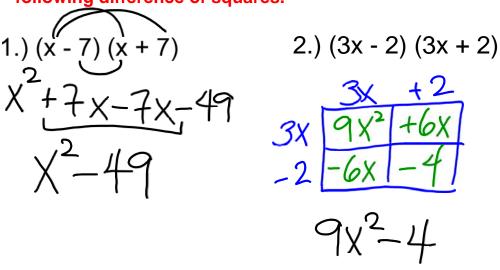
What do you notice about the middle term?

Kuta Software - Infinite Algebra 1 Multiplying Polynomials Date\_\_\_\_\_\_ Period\_\_\_\_ Find each product. 1) 6v(2v+3)2) 7(-5v-8)  $12\nu^2+18\nu$  $-4x^2 - 6x$ -4v - 45) (2n+2)(6n+1)6) (4n+1)(2n+6)7) (x-3)(6x-2)8) (8p-2)(6p+2) $6x^2 - 20x + 6$  $48p^2 + 4p - 4$ 9) (6p+8)(5p-8) 10) (3m-1)(8m+7) $30p^2 - 8p - 64$  $24m^2 + 13m - 7$ 11) (2a - 1)(8a - 5) 12) (5n+6)(5n-5) $16a^2 - 18a + 5$  $25n^2 + 5n - 30$ 



## **Special Products- Difference of Squares**

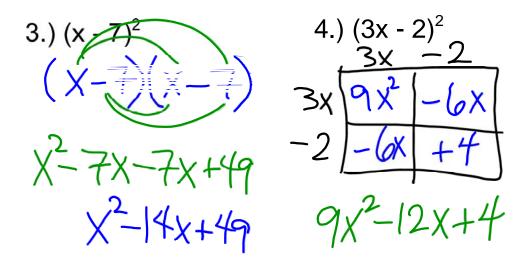
Use the box method or distributive property to multiply the following difference of squares.



Formula:  $(a + b)(a - b) = a^2 - b^2$ 

## **Special Products- Perfect Squares**

Use the box method or distributive property to multiply the following difference of squares.



Puzzle Activity.

Homework:

Finish Multiplying Polynomials Worksheet