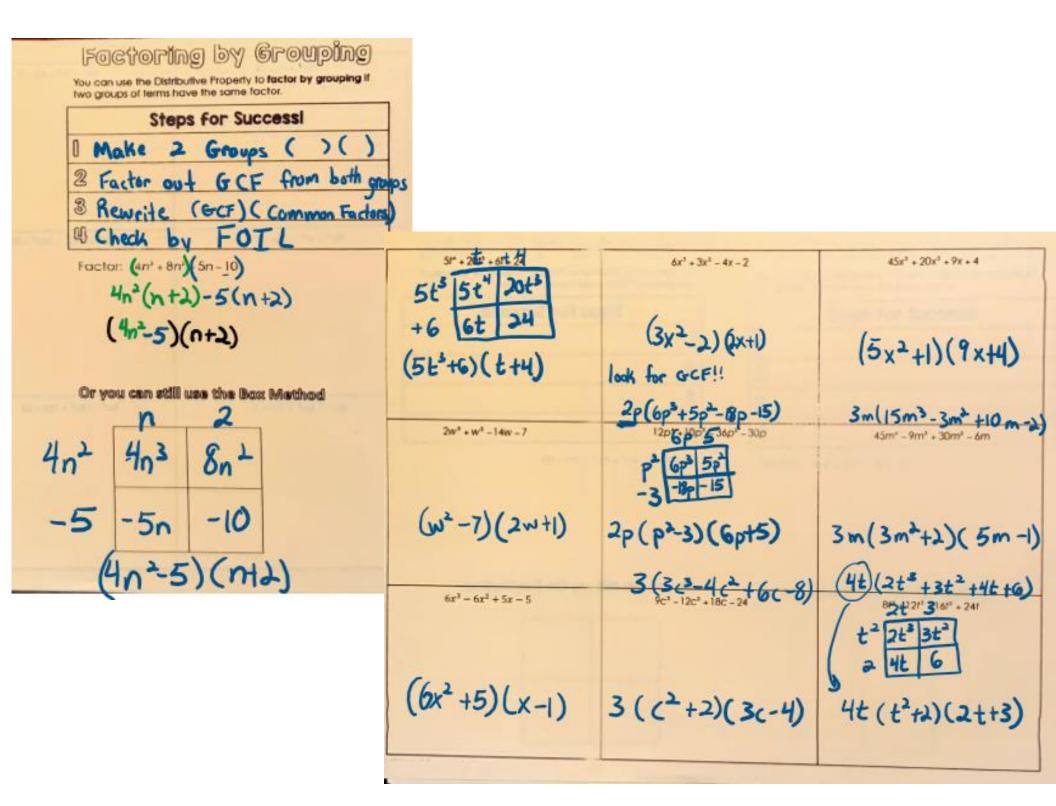
Today we learned about factoring by grouping. Below are the answers to last nights homework, followed by the notes and practice completed in class. The last page is the homework assignment.

11)  $x^2 = 16$ 12) 44 (2n+5)(2n-5) (x+4)(x-4)14)  $2x^2 - 18$ 13)  $x^2 - 1$ (XH)(X-I) 2(x2-9) 2(x-3)(x+3) 16)  $9x^2 - 1$ 15)  $100k^2 - 16$ 4(25K-4) (3x-I)(3×+I) 4(5K-2)(5K+2)  $(3a^3 + 10)(3a^3 - 10)_{18)32k^2 - 50}$ 17)  $4b^2 - 100$ 2(16K2-25) 4(62-25) 2(44-5)(44+5) 4(6-5)(6+5) 20)  $18n^2 - 2$ 2(912-1) (K-3)(K+3) 2(3n-1) (3n+1) -2-



Algebra 2	Name	ID: 1
Factor by Grouping	Date	Period
Factor each completely.		
1) $4x^3 - 6x^2 - 2x + 3$	2) $b^3 + 2b^2 + 2b + 4$	

3) 
$$12n^3 + 15n^2 + 8n + 10$$
  
4)  $4x^3 - 5x^2 - 8x + 10$ 

5) 
$$3b^3 - 12b^2 - 4b + 16$$

6) 
$$12n^3 + 16n^2 + 9n + 12$$
  $4n^2$   $12n^3$ 

10)  $3a^3 - 5a^2 - 12a + 20$ 

3

7)  $3n^3 + 4n^2 - 15n - 20$ 8)  $4x^3 + 16x^2 - 5x - 20$ 

9)  $5x^3 - 5x^2 + 4x - 4$ 

11)  $4m^3 + 8m^2 + m + 2$ 12)  $12n^3 - 9n^2 + 4n - 3$ 

13)  $3n^3 - 9n^2 - 2n + 6$  14)  $2n^3 + 8n^2 - 5n - 20$ 

15)  $2a^3 - 8a^2 + 3a - 12$ 16)  $4n^3 + 3n^2 - 4n - 3$