**Notes:** Factor by Grouping – GCF! GCF! GCF! Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ax2 + Bx + C A ≠ 1

* PSF 12x2 +5x – 2
1. Product (A\*C) 12 \* - 2 = - 24
2. Sum (B) 5
3. Factors 8, -3 5x

12x2 +8x – 3x – 2 =

(12x2 + 8x ) + ( – 3x – 2) =

**4x** ( 3x + 2 ) **– 1**( 3x + 2) =

**( 4x – 1)** ( 3x + 2) 🡨 Factored Form!

$2x^{2}+x-3$ $6x^{2}+19x+10$ $4x^{2}-15x+9$

$3x^{2}+11x-4$ $2x^{2}+x-15$ $4x^{2}+4x-3$