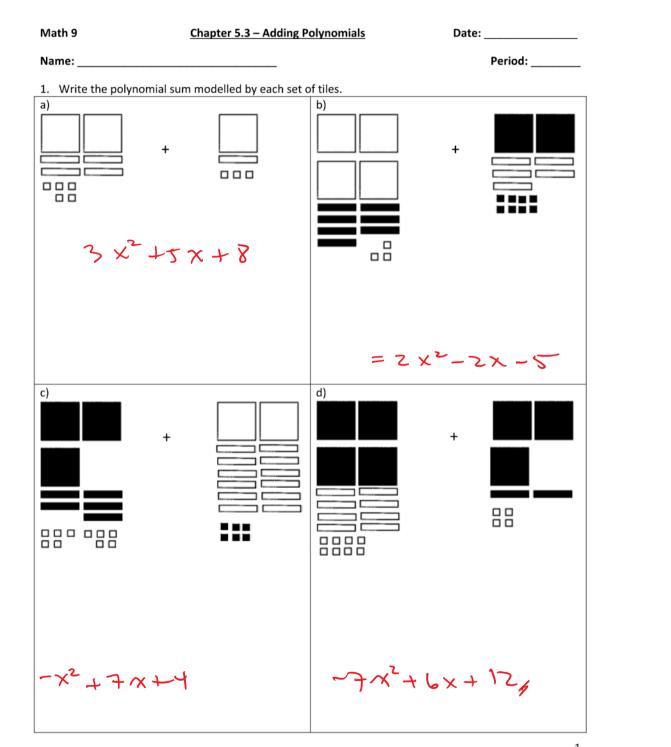
## **HW 5.3 SOL**

October 14, 2020 8:57 AM



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2. Add these polynomials.	
a)	b)
$5x^2 - 3x + 8$	$6x^2 - 4x - 17$
$+\frac{2x^2+7x-10}{2x^2+7x-10}$	$+\frac{6x^2-4x-17}{-2x^2-5x+10}$
7x2+4x-2	4x2-9x-7
c)	d)
$-3x^2 - 12x + 28$	$-7x^2 - 9x - 18$
$+ 4x^2 + 7x - 15$	$+\frac{-3x^2+6x-14}{2}$
x2-5x+13	-10x2-3x-32/1

3. Add.	
a) $(3x+5)+(8-7x+x^2)$	b) $(5x^2 - 8x - 12) + (-3x^2 + 4x - 13)$
$3x+5+6-7x+x^2$	= $5x^2 - 3x^2 - 12 - 3x^2 + 3x^2 - 13$
$= x^2-4x+13.$	- $2x^2 - 4x - 25$
c) $(2x+15)+(2y-8)+(5x-9y)$	d) $(7-8x^2+12x)+(5-21x+13x^2)$
= $3x+1x+2y-8+5x-3y$	= 7 - 5x <sup>2</sup> + 12x + 5 - 21x + 13x <sup>2</sup>
= $7x-7y+7$	= 5x <sup>2</sup> - 9x + 12/
e) $(24x - 12x^2 + 1) + (15 - 20x - 3x^2)$	f) $(5x-2x^2)+(9x^2-7)+(15-6x^2+18)$

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