

**Proficiency Check 6.1 – Part 2 – Add and Subtract the Polynomials**

Perform the following operations and write the answer in Descending Order.

Emerging	Emerging
1. $(x + 4) + (x - 7)$ $x+4+x-7$ $2x-3$	2. $(2x - 5) + (x^2 - 4)$ $2x-5+x^2-4$ $x^2+2x-9$
Proficient	Proficient
3. $(x - 7) + (x^2 + 3x - 5) - \overbrace{(5 + 3x - x^2)}$ $\underline{x-7+x^2+3x-5} - \underline{5+3x-x^2}$ $2x^2 + x - 17$	4. $(x^2 + 5) - \overbrace{(x - 3y)} + (4 - x^2 + 7x)$ $x^2+5 - \underline{x+3y} + 4 - \underline{x^2+7x}$ $6x + 3y + 9$
Extending	
5. $(4 - 5xy + 4y^2) - \overbrace{(3 + 4x^2 - 5xy)} - \overbrace{(5 + 4x^2 - 4x)} + (-7 - 2y^2)$ <del><math>4-5xy+4y^2-3-4x^2+5xy-5-4x^2+4x-7-2y^2</math></del> $-11 + 2y^2 - 8x^2 + 4x$ $-8x^2 + 2y^2 + 4x - 11$	