Algebra II
Day 9 – September 15, 2020
Formative Ticket # 6

Perform the indicated operation(s).

1) $(3v^4 - 2 + 8v^2) + (6v^2 + 4 - 7v^4)$

2) $(4v^2 - 5 - v^3) - (3 - 6v^3 - 3v^2)$

3) $(2x^4 + x) + (7x - 2x^2) - (4x - 6x^4 + 5x^2)$

4) $3x(x^2 - 7x + 2)$

5) $(6n + 5)(3n - 5)$

6) $(8a - 2)(3a^2 + 2a - 2)$

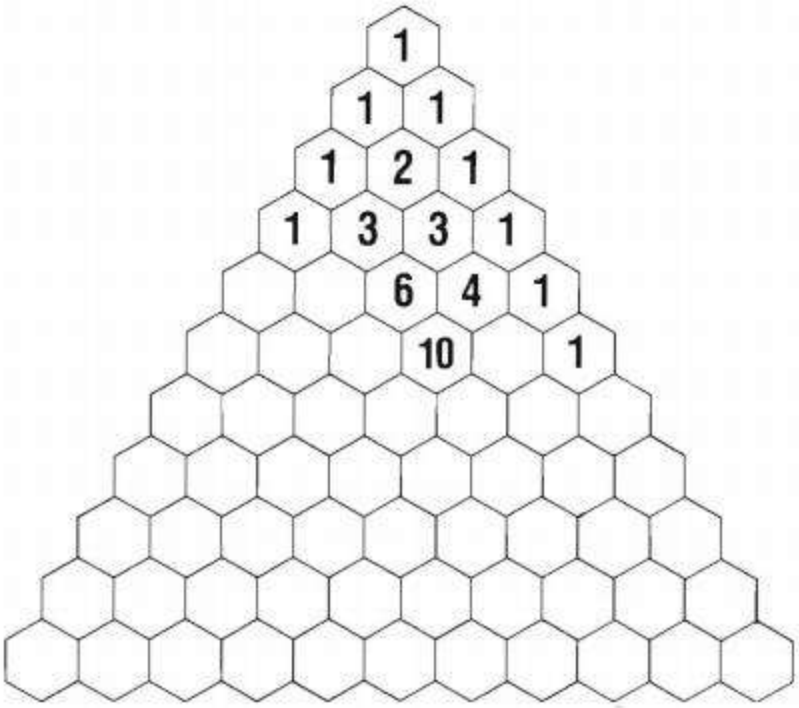
7) $(3a + 2b)(8a + 8b)$

8) $(8m^2 - 2mn - 7n^2)(6m + 3n)$

9) $(8b - 7)(8b + 7)$

10) $(2y + x)(2y - x)$

Use the pattern to fill in the missing numbers in Pascal's triangle.



Use Pascal's Triangle to find the product for the following binomials.

1. $(x + 5)^5$

2. $(x + 3y)^4$

3. $(2x - 4y)^6$

4. $(3x - y)^7$

5. $(2x^3 + 15y^2)^0$