

Foundation of Math 9

Name: Polynomials Introduction Review

For the following:

- a) Perform the desired operation
- b) Identify the degree of the individual terms in the answer
- c) Put it in descending order
- d) Name the degree of the polynomial

1. $(4 - 5x + 4x^2) + (-6x - 2 - 13x^2)$

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

3. $(x^2y - 2xy + 3x - 4y) + (5x + 3y - 5xy + -5x^2y)$

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4. $(xyz - 4xy + 3x - 6y) - (-xy + 3x - 8y - 2xyz)$

5. $(r^2 + 4s^2 - 2t^2) - (5r^2 - 4s^2 - 9t^2)$

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

7. $(4a - 5b + 6c^2) - (5a^2 + 6b - c^2) - (5b^2) - (-2a^2 - 5c^2)$

8. $(xyz) + (xyz) - (xyz) - (5)$