

Student Name: _____

Score: _____

Arrange and subtract the binomials

1. $6x^2 + 12xyz, 3xyz - x^2$

5. $11ab - 5a^2, 3a^2 + 2ab$

2. $3a + 4z^2, 3z^2 + 2a$

6. $3p^2 + 4pq, -2pq + p^2$

3. $2p^3 - 3xz, xz - 3p^2$

7. $3xy - 6y^2, 8y^2 + xy$

4. $5u^2 + 3v^2, -2v^2 + 2u^2$

8. $12a^3 + 6ab^2, 10ab^2 + 3a^3$

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Arrange and subtract the trinomials

1. $4p^2q + 3pq + 6p$, $2pq - 3p + p^2q$

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

3. $3r^2 + 8st + 11t^2$, $5t^3 + 3st + 2r^2$

4. $5u^2 + 3uv - 2v^2$, $2uv + 4u^2 - 6v^2$

5. $6ab + b^2 + 8bc^2$, $3b^2 - 5bc + 2ab$

6. $6pq + 7pqr + 3r^3$, $r^3 + 6pqr - 2pq$

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Subtract the polynomials

1. $(5x^3 + 3x^2 + 1) - (2x^3 - x^2 + 3)$ =

2. $(y^3 + 3y^2 + y - 13) - (3y^4 + 4y^2 - 12)$ =

3. $(3p^4 + 2p^3 + 4p) - (p^5 + 2p^4 + 1)$ =

4. $(3s^2 + 4s + 3) - (6s^3 - 8)$ =

5. $(3t^2 + 5t - 6) - (2t^2 + 3t - 3)$ =

6. $((q + 3) - (q^2 + 6q + 9))$ =

7. $(10r^4 + 3r^2 + 11) - (r^3 + 3)$ =

8. $(8z^3 + 12z + 9) - (z^2 - 5z + 1)$ =

9. $(15u^5 + 11u^2 + 5) - (2u^4 - 12)$ =

10. $(8v^2 + 5v + 3) - (5v^3 - 8v + 1)$ =

