

Student Name: _____

Score:

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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Answers

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

$4p^2q + 3pq + 6p$

$(-) \quad p^2q + 2pq - 3p$

$3p^2q + pq + 9p$

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

$2x^2y^2 + 4xy + xy^2$

$(-) \quad -3x^2y^2 + xy - 5xy^2$

$5x^2y^2 + 3xy + 6xy^2$

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

$3r^2 + 8st + 11t^2$

$(-) \quad 2r^2 + 3st + 5t^3$

$r^2 + 5st + 11t^2 - 5t^3$

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

$5u^2 + 3uv - 2v^2$

$(-) \quad 4u^2 + 2uv - 6v^2$

$u^2 + uv + 4v^2$

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

$6ab + b^2 + 8bc^2$

$(-) \quad 2ab + 3b^2 - 5bc$

$4ab - 2b^2 + 8bc^2 + 5bc$

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

$6pq + 7pqr + 3r^3$

$(-) \quad -2pq + 6pqr + r^3$

$8pq + pqr + 2r^3$