

Student Name: \_\_\_\_\_

Score:

**Arrange and add the polynomials**

1.  $2u^2v^2 - uvw$ ,  $-uv + uvw + 2u^2v^2$

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

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3.  $3x^3 + xy^2$ ,  $5xy^2 + 12y^2 - 7x^3$

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4.  $-2ab + 3bc$ ,  $-2bc + 3b^2$

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5.  $-9xyz + 5x^2y + xy^2 + 3$ ,  $12xy^2 - 2xyz + 5$

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6.  $11pq - 2qr - q^3$ ,  $5qr + 3q^3 + 5pq$

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1.  $2u^2v^2 - uvw$ ,  $-uv + uvw + 2u^2v^2$

Answers

$$2u^2v^2 - uvw$$

$$2u^2v^2 + uvw - uv$$

$$4u^2v^2 - uv$$

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

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

$$-p^3q + 3p^2q - 2p$$

$$3p^3q + 5p^2q + pq - p$$

3.  $3x^3 + xy^2$ ,  $5xy^2 + 12y^2 - 7x^3$

$$3x^3 + xy^2$$

$$-7x^3 + 5xy^2 + 12y^2$$

$$-4x^3 + 6xy^2 + 12y^2$$

4.  $-2ab + 3bc$ ,  $-2bc + 3b^2$

$$-2ab + 3bc$$

$$-2bc + 3b^2$$

$$-2ab + bc + 3b^2$$

5.  $-9xyz + 5x^2y + xy^2 + 3$ ,  $12xy^2 - 2xyz + 5$

$$-9xyz + 5x^2y + xy^2 + 3$$

$$-2xyz + 12xy^2 + 5$$

$$-11xyz + 5x^2y + 13xy^2 + 8$$

6.  $11pq - 2qr - q^3$ ,  $5qr + 3q^3 + 5pq$

$$11pq - 2qr - q^3$$

$$5pq + 5qr + 3q^3$$

$$16pq + 3qr + 2q^3$$