

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

Score: \_\_\_\_\_

Arrange and add the binomials

1.  $p^2 + 2pq, 8pq - 2p^2$

5.  $u^2 + 3v^2, -2v^2 + 8u^2$

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

6.  $p^3 + 3xz, 6xz - 4p^3$

3.  $3a + 5z^2, -9z^2 + 2a$

7.  $6x^2 - 8xyz, xyz + x^2$

4.  $10ab - 3a^2, -5a^2 + ab$

8.  $u^3 + 3u^2, u^2 + 4u^3$

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**Arrange and add the trinomials**

1.  $a + bc + a^2$  ,  $-5bc - 2a^2 + 2a$

\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

3.  $ab + a^2 + 3bc$  ,  $2bc + 4b^2 + 8ab$

\_\_\_\_\_  
\_\_\_\_\_

4.  $5p^3 + 2p^2q + p$  ,  $-3p^2q + 2p - p^3$

\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

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**Find the sum of polynomials**

1.  $(p^3 + 5p^2 + 9p - 6) + (-5p^3 - 8p + 1) =$  \_\_\_\_\_

2.  $(-2p^4 + 3p + 9) + (4p^4 + 3p^3 + p) =$  \_\_\_\_\_

3.  $(6q^5 + 2q^4 - 21q^3 + 1) + (3q^4 - q^3) =$  \_\_\_\_\_

4.  $(2s^2 + 3s + 5) + (5s^3 - 7) =$  \_\_\_\_\_

5.  $(s + 3) + (s^2 + 6s + 9) =$  \_\_\_\_\_

6.  $(x^3 + 3x^2 + 1) + (-5x^3 + 3x + 4) =$  \_\_\_\_\_

7.  $(t^2 - 6t + 3) + (-t^2 - 9) =$  \_\_\_\_\_

8.  $(y^4 + 5y^2 - 3) + (y^3 - 8y^2 + 4y + 12) =$  \_\_\_\_\_

9.  $(p^4 + 3p^2 - 8) + (p^3 + 9) =$  \_\_\_\_\_

10.  $(4t^3 + 7t^2 + 3t) + (-2t^2 + 2t - 5) =$  \_\_\_\_\_

