

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

Score:

**Subtract the second binomial from the first**

1.  $3a^2 + 12xy , -2a^2 + 8xy$  \_\_\_\_\_

2.  $-3p^2 + 2q^2r , p^2 - 3q^2r$  \_\_\_\_\_

3.  $3uv + 8uvw , -uv + 2uvw$  \_\_\_\_\_

4.  $13a + 3b , 10a + 2b$  \_\_\_\_\_

5.  $-5y^3z + 2y^2z^2 , -3y^3z + 3y^2z^2$  \_\_\_\_\_

6.  $-11a^3bc^2 + 5b^2 , a^3bc^2 - 2b^2$  \_\_\_\_\_

7.  $-7x^2 + 3xy , 4x^2 + 5xy$  \_\_\_\_\_

8.  $12u^2 + 2v^2 , u^2 + 3v^2$  \_\_\_\_\_

9.  $5pqr + 2pq^2r , 2pqr - pq^2r$  \_\_\_\_\_

10.  $10a^3 + 3a^2b , 3a^3 + 5a^2b$  \_\_\_\_\_

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**Answers**

$$1. 3a^2 + 12xy, -2a^2 + 8xy = 5a^2 + 4xy$$

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

$$3. 3uv + 8uvw, -uv + 2uvw = 4uv + 6uvw$$

$$4. 13a + 3b, 10a + 2b = 3a + b$$

$$5. -5y^3z + 2y^2z^2, -3y^3z + 3y^2z^2 = -2y^3z - y^2z^2$$

$$6. -11a^3bc^2 + 5b^2, a^3bc^2 - 2b^2 = -12a^2bc^2 + 7b^2$$

$$7. -7x^2 + 3xy, 4x^2 + 5xy = -11x^2 - 2xy$$

$$8. 12u^2 + 2v^2, u^2 + 3v^2 = 11u^2 - v^2$$

$$9. 5pqr + 2pq^2r, 2pqr - pq^2r = 3pqr + 3pq^2r$$

$$10. 10a^3 + 3a^2b, 3a^3 + 5a^2b = 7a^3 - 2a^2b$$