

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

Score:

**Arrange and add the trinomials**

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

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

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

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

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

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

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**Answers**

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

$$a + bc + a^2$$

$$2a - 5bc - 2a^2$$

$$\boxed{3a - 4bc - a^2}$$

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

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

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

$$\boxed{2xyz + 2x^2y + 3xy^2}$$

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

$$ab + a^2 + 3bc$$

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

$$\boxed{9ab + a^2 + 5bc + 4b^2}$$

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

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

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

$$\boxed{4p^3 - p^2q + 3p}$$

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

$$3x^2 + 2x^2y + y^2$$

$$-2x^2 + 5xy^2 + 2y^2$$

$$\boxed{x^2 + 2x^2y + 5xy^2 + 3y^2}$$

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

$$u^2v^2 + uv + 3uvw$$

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

$$\boxed{2u^2v^2 + 3uv - uvw}$$