



# ALGEBRAIC EXPRESSIONS

Name \_\_\_\_\_

Score \_\_\_\_\_

AE:12

Combine the like terms.

1)  $18 + k^2 - 11 - 5k^2$

2)  $2d^3 + 6 - d^3 + 4d^2 - 12 - 7d^2$

3)  $-17q - 2q$

4)  $3u + 2v - 4u + 2v$

5)  $9 + 4mn - mn$

6)  $2x^4 - 5y^3 + 3x^4 + 4y^3 - 8x^4$

7)  $abc + 7abc$

8)  $24 + 6p + 10 + 5p$

9)  $z^2 + z - 11z + z^2$

10)  $16gh - 12gh$



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Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

AE:12

Combine the like terms.

1)  $18 + k^2 - 11 - 5k^2$

**$7 - 4k^2$**

2)  $2d^3 + 6 - d^3 + 4d^2 - 12 - 7d^2$

**$d^3 - 6 - 3d^2$**

3)  $-17q - 2q$

**$-19q$**

4)  $3u + 2v - 4u + 2v$

**$-u + 4v$**

5)  $9 + 4mn - mn$

**$9 + 3mn$**

6)  $2x^4 - 5y^3 + 3x^4 + 4y^3 - 8x^4$

**$-3x^4 - y^3$**

7)  $abc + 7abc$

**$8abc$**

8)  $24 + 6p + 10 + 5p$

**$34 + 11p$**

9)  $z^2 + z - 11z + z^2$

**$2z^2 - 10z$**

10)  $16gh - 12gh$

**$4gh$**