



# Classifying Polynomials

Name \_\_\_\_\_

Score \_\_\_\_\_

CP:01

Classify each polynomial based on number of terms.

1)  $2k + k^4 - 3k^2 - k^3 + 10$

\_\_\_\_\_

2)  $x + y$

\_\_\_\_\_

3)  $-12h$

\_\_\_\_\_

4)  $mn + m - 4 - 7n$

\_\_\_\_\_

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

\_\_\_\_\_

6)  $8uv$

\_\_\_\_\_

7)  $6 + a - a^2 - b^2 + 2ab + 3a$

\_\_\_\_\_

8)  $-5st - s + 4t - 11 + s^2t$

\_\_\_\_\_

9)  $4g - 1$

\_\_\_\_\_

10)  $d^2 - 3 + 9d$

\_\_\_\_\_



# Classifying Polynomials

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

CP:01

Classify each polynomial based on number of terms.

1)  $2k + k^4 - 3k^2 - k^3 + 10$

**polynomial with 5 terms**

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2)  $x + y$

**binomial**

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3)  $-12h$

**monomial**

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4)  $mn + m - 4 - 7n$

**polynomial with 4 terms**

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

**trinomial**

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6)  $8uv$

**monomial**

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7)  $6 + a - a^2 - b^2 + 2ab + 3a$

**polynomial with 6 terms**

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8)  $-5st - s + 4t - 11 + s^2t$

**polynomial with 5 terms**

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9)  $4g - 1$

**binomial**

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10)  $d^2 - 3 + 9d$

**trinomial**

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