Classifying Polynomials

Classify each polynomial based on number of terms.

1) $-4x + 1 - y$

2) $6 + t^3 - 3t^2 + 4t^3 - t^5 - 7t^4$

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3) $2k^2 - k^4 - 5k + 3$

4) $pqrs$

_____

_____

5) $-m^3 - 2$

6) $ab - b + 8 - 4a - 9$

_____

_____

7) 45

8) $6w + w^2 - 10$

_____

_____

9) $2u^3 - uv - 4u + v - 7 - v^3$

10) $-5g + h$

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Classifying Polynomials

Answer key

Classify each polynomial based on number of terms.

1) $-4x + 1 - y$

   trinomial

2) $6 + t^3 - 3t^2 + 4t^3 - t^5 - 7t^4$

   polynomial with 6 terms

3) $2k^2 - k^4 - 5k + 3$

   polynomial with 4 terms

4) $pqrs$

   monomial

5) $-m^3 - 2$

   binomial

6) $ab - b + 8 - 4a - 9$

   polynomial with 5 terms

7) 45

   monomial

8) $6w + w^2 - 10$

   trinomial

9) $2u^3 - uv - 4u + v - 7 - v^3$

   polynomial with 6 terms

10) $-5g + h$

   binomial