Classifying Polynomials

Name:

Date:

Name each polynomial by degree and number of terms.

1) $5x + 8$

2) $2x^2$

3) $4x^2 - 4$

4) $12x^4 + 2x^2$

5) 16

6) $75x^4 - x^5$

7) $12x^5 + 14x^3$

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

9) $2x^2 + x^3 - 4$

10) $10 - x^2$

11) $x^4 + 2x^3 + x^2$

12) $x + 10x^2$

13) $x^5 + 3x^2$

14) $-10x^2$

15) $8x^6 + 12x - 2x^4$

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Name:

Date:

Classifying Polynomials

Answers

Name each polynomial by degree and number of terms.

1) $5x + 8$ ⇒ Linear binomial

2) $2x^2$ ⇒ Quadratic monomial

3) $4x^2 - 4$ ⇒ Quadratic binomial

4) $12x^4 + 2x^2$ ⇒ Quartic binomial

5) 16 ⇒ Constant monomial

6) $75x^4 - x^5$ ⇒ Quintic binomial

7) $12x^5 + 14x^3$ ⇒ Quintic binomial

8) $3x^2 + 4x - 5x^3$ ⇒ Cubic trinomial

9) $2x^2 + x^3 - 4$ ⇒ Cubic trinomial

10) $10 - x^2$ ⇒ Quadratic binomial

11) $x^4 + 2x^3 + x^2$ ⇒ Quartic trinomial

12) $x + 10x^2$ ⇒ Quadratic binomial

13) $x^5 + 3x^2$ ⇒ Quintic binomial

14) $-10x^2$ ⇒ Quadratic monomial

15) $8x^6 + 12x - 2x^4$ ⇒ Sixth degree trinomial

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