



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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Answers



Name each polynomial by degree and number of terms.

- 1) $5x + 8 \Rightarrow$ Linear binomial
- 2) $2x^2 \Rightarrow$ Quadratic monomial
- 3) $4x^2 - 4 \Rightarrow$ Quadratic binomial
- 4) $12x^4 + 2x^2 \Rightarrow$ Quartic binomial
- 5) $16 \Rightarrow$ Constant monomial
- 6) $75x^4 - x^5 \Rightarrow$ Quintic binomial
- 7) $12x^5 + 14x^3 \Rightarrow$ Quintic binomial
- 8) $3x^2 + 4x - 5x^3 \Rightarrow$ Cubic trinomial
- 9) $2x^2 + x^3 - 4 \Rightarrow$ Cubic trinomial
- 10) $10 - x^2 \Rightarrow$ Quadratic binomial
- 11) $x^4 + 2x^3 + x^2 \Rightarrow$ Quartic trinomial
- 12) $x + 10x^2 \Rightarrow$ Quadratic binomial
- 13) $x^5 + 3x^2 \Rightarrow$ Quintic binomial
- 14) $-10x^2 \Rightarrow$ Quadratic monomial
- 15) $8x^6 + 12x - 2x^4 \Rightarrow$ Sixth degree trinomial



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