

Name : _____

Score : _____ Date : _____

Classifying Polynomials Worksheet

Classify each polynomial by degree and number of terms.

1 $16s$

2 $18x^2$

3 $-10xyz - y - 5xy$

4 $10m^2n^2$

5 $-4q^5 + qs^3 - 6q^5 + 5 - 2q^2$

6 $8fh + f$

7 $10 - 10y$

8 $-8 + 6x$

9 $8x^4y - 5z^3$

10 $-6p^2q^3 + p^3 - 8q^4 + 8p^3q^2r$

11 $-xy + 3x - 6y + 6 - x^2$

12 $-x^3 - 2xy + 4x^2 - x + 14y$

13 $\sqrt{8}$

14 -32

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Classifying Polynomials Worksheet

Answers

1 $16s$

Linear monomial

2 $18x^2$

Quadratic monomial

3 $-10xyz - y - 5xy$

Linear trinomial

4 $10m^2n^2$

Quartic monomial

5 $-4q^5 + qs^3 - 6q^5 + 5 - 2q^2$

Quintic polynomial
with five terms

6 $8fh + f$

Linear binomial

7 $10 - 10y$

Linear binomial

8 $-8 + 6x$

Linear binomial

9 $8x^4y - 5z^3$

Quartic binomial

10 $-6p^2q^3 + p^3 - 8q^4 + 8p^3q^2r$

Sextic polynomial
with 4 terms

11 $-xy + 3x - 6y + 6 - x^2$

Quadratic polynomial
with 5 terms

12 $-x^3 - 2xy + 4x^2 - x + 14y$

Cubic polynomial
with 5 terms

13 $\sqrt{8}$

Constant monomial

14 -32

Linear monomial