

Identifying Polynomials Worksheet

Answer Key

Identify whether the expression is a polynomial function. If it is, identify the type.

1. 0

Yes; constant polynomial

6. $\frac{8}{3}x^{\frac{9}{3}}$

Not a polynomial

2. $y + 4$

Yes; binomial

7. $\frac{1}{2x^3} + 2x^3$

Not a polynomial

3. $\frac{1}{y}$

Not a polynomial

8. $2 + \frac{5^x}{5}$

Not a polynomial

4. $3x^2 + 2$

Yes; binomial

9. $4x^8 + \pi x^2 + 1$

Trinomial

5. $z + \frac{2}{z}$

Not a polynomial

10. $7x^2 + 3\sqrt{x} + 4$

Not a polynomial

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