

Name : _____

Polynomials - MCQ

1) Which of the following is a quartic polynomial?

- a) $3m^4n^2 - 5 - 2m^3n$ b) $7u^4 - 9u^3v$ c) $-pq^4$ d) $x^4 + y^2 - 4x^3 - 6$

2) $u - 7v - 5w + 8$ is a _____

- a) linear polynomial b) cubic trinomial c) cubic binomial d) cubic trinomial

3) Identify the quadratic trinomial

- a) $y - 3z^2 + yz + z$ b) $2x^2 + 3x - 4$ c) $5x^2 + 3x - 4$ d) $\frac{3}{2} + 6p^4 - 2r$

4) $p^2 - 16$ is a _____

- a) polynomial b) binomial c) cubic binomial d) binomial

5) $w^5 - 3w^4 - 5w^3 + 7$ is a _____

- a) linear b) cubic binomial c) cubic trinomial d) quartic

6) Which of the following is a polynomial that contains 4 terms?

- a) $m^2 + 7 - 2m + m^3$ b) $s + t - 8$ c) $6 - p^3 - q^2 + m$ d) $4ab - 7$

7) Which of the following is a cubic binomial?

- a) $uv^2 + 5 - u^2$ b) $r^3 - 8$ c) p^2q d) $5uvw + 1$

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Answer key

Polynomials - MCQ

Sheet 4

1) Which of the following is a quartic polynomial?

a) $3m^4n^2 - 5 - 2m^3n$

b) $7u^4 - 9u^3v$

c) $-pq^4$

d) $x^4 + y^2 - 4x^3 - 6$

2) $u - 7v - 5w + 8$ is a _____

a) linear polynomial

d) cubic trinomial

3) Identify the quadratic trinomial

a) $y - 3z^2 + yz + z$

d) $\frac{3}{2} + 6p^4 - 2r$

4) $p^2 - 16$ is a _____

a) polynomial

d) binomial

5) $w^5 - 3w^4 - 5w^3 + 7$ is a _____

a) linear

d) quartic

6) Which of the following is a polynomial that contains 4 terms?

a) $m^2 + 7 - 2m + m^3$

b) $s + t - 8$

c) $6 - p^3 - q^{-2} + m$

d) $4ab - 7$

7) Which of the following is a cubic binomial?

a) $uv^2 + 5 - u^2$

b) $r^{-3} - 8$

c) p^2q

d) $5uvw + 1$

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