Name: _____   **Date:** _____

Quiz name: Operations with Polynomials - Practice

1.   A polynomial with three terms is called a _____.

_____

_____

_____

_____

_____

_____

2. x^3-2x is a

Ⓐ   monomial

Ⓑ   binomial

Ⓒ   trinomial

3.   A polynomial of the 4th degree is called a _____ polynomial.

Ⓐ   linear

Ⓑ   quadratic

Ⓒ   cubic

Ⓓ   quartic

Ⓔ   quintic

4. $-2x^5+3x^4-3$ is considered a _____ polynomial

Ⓐ   linear

Ⓑ   quadratic

Ⓒ   cubic

Ⓓ   quartic

Ⓔ   quintic

5. $(2y^3-4y^2+8y-1)+(3y^3+2y^2-6y+4)=$

(A) y^3-2y^2+2y-3

(B) y^3-6y^2+2y+3

(C) $5y^3-2y^2+2y+5$

(D) $5y^3-2y^2+2y+3$

(E) $5y^3-6y^2+2y-3$

6. $(6x^2-4)-(3x^2+2x-7)=$

(A) $3x^2-2x+3$

(B) $3x^2-2x+7$

(C) $3x^2-6x+3$

(D) $3x^2-6x+7$

(E) $9x^2-2x-7$

7. $(2x-5)(3x+4)=$

(A) $5x^2-20$

(B) $5x^2-7x-20$

(C) $6x^2-20$

(D) $6x^2-7x-20$

(E) $6x^2-23x-20$

8. The polynomial expression $x^4-3x^3+2x^2$ is a:

(A) quartic binomial

(B) cubic trinomial

(C) quartic trinomial

(D) quintic binomial

(E) quintic trinomial

9. $(3x^2-5)-(4x^2+2x+2)= -x^2+2x-7$

(A) True

(B) False

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10. $(3x-2)(4x+7)=$

(A) $12x-14$

(B) $12x^2-14$

(C) $12x^2+13x-14$

(D) $12x^2-13x-14$

(E) $12x^2+29x-14$

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11. $(3x^2+4x-1)(2x-3)=$

(A) $6x^3-x^2-14x+3$

(B) $6x^3+x^2-14x+3$

(C) $6x^3+17x^2-10x+3$

(D) $6x^3+17x^2-14x-3$