

REVIEW: Polynomial Operations

I will be able to add, subtract, multiply, and divide polynomials.

Name _____

Per _____

Part 1: Classify each as M (monomial), B (binomial), T (trinomial), P (polynomial), or C (constant).

1.) _____ $2x + 1$

2.) _____ $17x^2 + 11$

3.) _____ $8x^2 + 2x^2 + 3x - 7$

4.) _____ -130

5.) _____ $4a^2 + 7a - 10$

6.) _____ $10x^3 - 2x + 1$

Part 2: Order of Operations and Fractions

7.) $4 + 2 \times 12 \div 6 - 8 =$

8.) $9 \div 3 + 6 \times 2 =$

9.) $3 + 4 - 6 + 2 \times 35 =$

10.) $\frac{2}{7} + \frac{3}{7} =$

11.) $\frac{4}{5} + \frac{1}{2} =$

12.) $\frac{3}{5} - \frac{1}{3} =$

Part 3: Add these polynomials. Only combine things that are alike (have the same exponent).

12.) $(19x^2 + 12x + 12) + (7x^2 + 10x + 13)$

13.) $(4x^2 - 6x + 7) + (-19x^2 - 15x - 18)$

14.) $(20x^2 + 15x + 13) + (-19x^2 + 17x + 5)$

15.) $(9x^5 - 4x^2) + (10x^5 - 15x^4 + 14)$

Part 4: Subtract these polynomials.

18.) $(6x + 14) - (9x + 5)$

20.) $(19x^2 + 9x + 16) - (5x^2 + 12x + 7)$

21.) $(17x^2 + 7x - 14) - (-6x^2 - 5x - 18)$

22.) $(-18x^2 + 4x - 16) - (15x^2 + 4x - 1)$

Part 5: Use the distributive property to find the product (multiply).

29.) $6(x^2 + 2x + 7)$

30.) $-4x(1 - x)$

30.) $-x^2(x + 5)$

31.) $3x^3(4x^3 - 5x + 10)$

32.) $3x(-x^2 + 2x - 12)$

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web jan 1 2017 tidak semua aplikasi persamaan diferensial menyelesaikan masalah syarat batas dalam persamaan mempunyai syarat awal tetapi memberikan syarat diferensial biasa orde dua dengan menggunakan batas pada lebih dari satu titik sehingga metode yang algoritma shooting neural networks digunakan adalah penyelesaian masalah syarat

web 5 masalah nilai awal syarat batas mnasb bila state u tidak hanya bergantung pada variabel lokasi spasial tetapi juga waktu time yaitu $u(x, t)$ dan $t \in [0, T]$ maka diperoleh masalah nilai awal dan syarat batas contoh persamaan gelombang dimensi dua $u_{xx} + u_{yy} = \frac{1}{c^2} u_{tt}$ $u(x, y, 0) = \phi(x, y)$ $u_t(x, y, 0) = \psi(x, y)$ $u(x, y, T) = \phi(x, y)$ $u_t(x, y, T) = \psi(x, y)$

web dengan syarat batas dan syarat awal $u(0, t) = \alpha(t)$, $u(s, t) = 0$, $1 \leq s \leq t$, $0 \leq t \leq 1$, $u(x, s) = t$, $\lambda \leq s \leq t$, $1 \leq x \leq 0$, $0 \leq t \leq 1$ dengan notasi sebagai berikut

u menyatakan suhu dalam fluida di an tara dinding $x = 0$ yang bersuhu αt dan batas $s = t$ yang tidak dike tahui dan bergerak sebagai batas antara fluida dan es

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