Do Now

Add (Make sure your final answers are in standard form)

1) $(10x + 5) + (3x - 1)$

$10x + 5 + 3x - 1$

$13x + 4$

2) $(10x^2 + 3x - 7) + (x^2 - 5x - 1)$

$10x^2 + 3x - 7 + x^2 - 5x - 1$

$11x^2 - 2x - 8$

Mar 3-10:15 AM

Homework Answers

1. Linear/Binomial
2. Quadratic/Trinomial
3. Quartic/Monomial
4. Cubic/Polynomial
5. $3y^4 + 2y^3 + y^2 - 7y - 4$
6. $-3a^2 + 7a - 1$
7. $4x^2 - 7x - 2$
8. $-7x^2 + 5x$
9. $2a^2 - 7ab + 6b^2$

Mar 6-5:15 PM

Subtracting Polynomials

- **To SUBTRACT polynomials** distribute the -1

  and Add the polynomials → drop the parenthesis → combine like terms

Example: $(3a^2 + 4a - 2) - 1(6a^2 - 4a + 7)$

$3a^2 + 4a - 2 - 6a^2 + 4a - 7$

$-3a^2 + 8a - 9$

Sep 17-10:08 AM

Find the difference. Write your answers in standard form

1) $(4x^2 + x + 7) - (2x^2 + 3x + 1)$

$4x^2 + x + 7 - 2x^2 - 3x - 1$

$2x^2 - 2x + 6$

2) $(3x^3 - x^2 + 8) - (x^3 + 5x^2 + 4x - 7)$

$3x^3 - x^2 + 8 - x^3 - 5x^2 - 4x + 7$

$2x^3 - 6x^2 - 4x + 15$

Oct 21-8:40 AM

3) $(3p^2 + 1) + (p^2 - 8) - 1(p^2 + 2)$

$3p^2 + 1 + p^2 - 8 - 1p^2 - 2$

$3p^2 - 9$

4) $(-2x^2 + x) - 1(-3x^2 - 8) - 1(6x^2 + 2x - 3)$

$-2x^2 + x + 3x^2 + 8 - 6x^2 - 2x + 3$

$-5x^2 - x + 11$

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5) Subtract $6x^2 + 8x - 6$ from $7x^2 + 8x - 4$

$(7x^2 + 8x - 4) - 1(6x^2 + 8x - 6)$

$7x^2 + 8x - 4 - 6x^2 - 8x + 6$

$x^2 + 2$

Oct 21-8:48 AM