

Name:

Week14.Lesson1-FactorByGrouping

Date:

(1) $9x^5 - 5x^4 + 81x - 45$

(2) $40x^4 - 36x^3 - 30x + 27$

(3) $4x^5 - 18x^4 - 6x + 27$

(4) $27x^6 - 24x^5 - 45x + 40$

(5) $8x^6 - 18x^4 + 28x^2 - 63$

(6) $8x^6 + 36x^5 - 2x - 9$

(7) $x^3 + 10x^2 - 2x - 20$

(8) $81x^5 + 72x^4 - 63x - 56$

(9) $16x^7 - 20x^4 - 4x^3 + 5$

(10) $8x^6 - 12x^5 + 18x - 27$

(11) $70x^3 - 60x^2 - 63x + 54$

(12) $70x^6 - 63x^4 + 90x^2 - 81$

(13) $24x^5 - 8x^4 - 3x + 1$

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(14) $16x^3 + 18x^2 - 40x - 45$

(15) $30x^7 - 18x^5 - 25x^2 + 15$

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Version 1 Answer Key!

(1) $(x^4 + 9)(9x - 5)$

(2) $(10x - 9)(4x^3 - 3)$

(3) $(2x^4 - 3)(2x - 9)$

(4) $(3x^5 - 5)(9x - 8)$

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

(6) $(2x + 9)(4x^5 - 1)$

(7) $(x + 10)(x^2 - 2)$

(8) $(9x^4 - 7)(9x + 8)$

(9) $(4x^3 - 5)(4x^4 - 1)$

(10) $(4x^5 + 9)(2x - 3)$

(11) $(10x^2 - 9)(7x - 6)$

(12) $(7x^4 + 9)(10x^2 - 9)$

(13) $(3x - 1)(8x^4 - 1)$

(14) $(8x + 9)(2x^2 - 5)$

(15) $(5x^2 - 3)(6x^5 - 5)$