

Name:

Week4.Lesson1.Multiplying Polynomials Classwork

Date:

(1) $(1x^4)(-x^3 - 10x^2)$

(2) $(7x^4)(-6x^4 - 6x)$

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

(4) $(2x)(-8x - 9x^4)$

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

(6) $(2x^4)(7x^2 - 7x^4)$

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

(8) $(8x^3 - 10x^4)(-2x + 7x^4)$

(9) $(2x^4 + 7x)(10x - 7x^3)$

(10) $(5x^4 - 6x^3)(1x^2 + 4x)$

(11) $(-2x - 10x^2)(7x^2 - x^4)$

(12) $(-7x^3 + 6x^4)(5x + 6x^3)$

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(13) $(-2x - 9x^3)(1x^3 - 2x^4)$

(14) $(7x + 3x^3)(-6x^2 - 7x^4)$

(15) $(-10x^4 - 8x)(-10x + 10x^3)$

(16) $(9x^4 + 2x)(-3x - 5x^2)$

(17) $(2x^2 + 6x^3)(1x^4 - 5x^3)$

(18) $(3x^4 - 4x)(-4x - 8x^4)$

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(19) $(3x^4 - 5x^3)(-x^2 + 3x^3 + 9x)$

(20) $(8x + 5x^2)(-10x + 5x^4 + 8x^3)$

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Version 1 Answer Key!

(1) $-x^7 - 10x^6$

(2) $-42x^8 - 42x^5$

(3) $10x^6 + 30x^5$

(4) $-18x^5 - 16x^2$

(5) $-9x^6 - 7x^5$

(6) $-14x^8 + 14x^6$

(7) $20x^8 + 27x^5 - 14x^2$

(8) $-70x^8 + 56x^7 + 20x^5 - 16x^4$

(9) $-14x^7 + 20x^5 - 49x^4 + 70x^2$

(10) $5x^6 + 14x^5 - 24x^4$

(11) $10x^6 + 2x^5 - 70x^4 - 14x^3$

(12) $36x^7 - 42x^6 + 30x^5 - 35x^4$

(13) $18x^7 - 9x^6 + 4x^5 - 2x^4$

(14) $-21x^7 - 67x^5 - 42x^3$

(15) $-100x^7 + 100x^5 - 80x^4 + 80x^2$

(16) $-45x^6 - 27x^5 - 10x^3 - 6x^2$

(17) $6x^7 - 28x^6 - 10x^5$

(18) $-24x^8 + 20x^5 + 16x^2$

(19) $9x^7 - 18x^6 + 32x^5 - 45x^4$

(20) $25x^6 + 80x^5 + 64x^4 - 50x^3 - 80x^2$