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Comprehensive CLEP College Algebra Practice Book 2020 - 2021

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Complete Coverage of all CLEP College Algebra Concepts

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By

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Description

Comprehensive CLEP College Algebra Practice Book 2020 - 2021, which reflects the 2020 - 2021 test guidelines, is a precious learning resource for CLEP Algebra test-takers who need extra practice in math to raise their CLEP College Algebra scores. Upon completion of this exercise book, you will have a solid foundation and sufficient practice to ace the CLEP College Algebra test. **This comprehensive practice book is your ticket to scoring higher on CLEP College Algebra.**

The updated version of this unique practice workbook represents extensive exercises, math problems, sample CLEP College Algebra questions, and quizzes with answers and detailed solutions to help you hone your math skills, overcome your exam anxiety, boost your confidence—and do your best to defeat the CLEP College Algebra exam on test day.

Comprehensive CLEP College Algebra Practice Book 2020 – 2021 includes many exciting and unique features to help you improve your test scores, including:

- ✓ Content 100% aligned with the 2020 CLEP College Algebra test
- ✓ Complete coverage of all CLEP College Algebra concepts and topics which you will be tested
- ✓ Over 2,500 additional CLEP College Algebra practice questions in both multiple-choice and grid-in formats with answers grouped by topic, so you can focus on your weak areas
- ✓ Abundant Math skill-building exercises to help test-takers approach different question types that might be unfamiliar to them
- ✓ 2 full-length practice tests (featuring new question types) with detailed answers

This CLEP College Algebra practice book and other Effortless Math Education books are used by thousands of students each year to help them review core content areas, brush-up in math, discover their strengths and weaknesses, and achieve their best scores on the CLEP College Algebra test.

Adding and Subtracting Polynomials

Add or subtract expressions.

1) $(x^2 - 3) + (x^2 + 1) =$

_____

2) $(2x^2 - 4) - (2 - 4x^2) =$

_____

3) $(x^3 + 2x^2) - (x^3 + 5) =$

_____

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

_____

5) $(2x^3 + 3x) - (5x^3 + 2) =$

_____

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

_____

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

_____

8) $(5x^2 + 3x^3) - (2x^3 + 6) =$

_____

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

_____

10) $(6x + 9x^2) - (5x + 2) =$

_____

11) $(7x^4 - 2x) - (6x - 2x^4) =$

_____

12) $(2x - 4x^3) - (9x^3 + 6x) =$

_____

13) $(8x^3 - 8x^2) - (6x^2 - 3x) =$

_____

14) $(9x^2 - 6) + (5x^2 - 4x^3) =$

_____

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

_____

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

_____

17) $(6x - 4x^4) - (8x^4 + 3x) =$

_____

18) $(7x - 8x^2) - (9x^4 - 3x^2) =$

_____

19) $(9x^3 - 6) + (9x^3 - 5x^2) =$

_____

20) $(5x^3 + x^4) - (8x^4 - 7x^3) =$

_____

Multiplying Monomials

Simplify each expression.

1) $5x^8 \times x^3 =$

_____

2) $5y^5 \times 6y^3 =$

_____

3) $-4z^7 \times 5z^5 =$

_____

4) $7x^5y \times 3xy^2 =$

_____

5) $-6xy^8 \times 3x^5y^3 =$

_____

6) $7a^4b^2 \times 3a^8b =$

_____

7) $5xy^5 \times 3x^3y^4 =$

_____

8) $5p^5q^4 \times (-6pq^4) =$

_____

9) $8s^6t^2 \times 6s^3t^7 =$

_____

10) $(-8x^5y^2) \times 4x^6y^3 =$

_____

11) $9xy^6z \times 3y^4z^2 =$

_____

12) $12x^5y^4 \times 2x^8y =$

_____

13) $4pq^5 \times (-7p^4q^8) =$

_____

14) $9s^4t^2 \times (-5st^5) =$

_____

15) $10p^3q^5 \times (-4p^4q^6) =$

_____

16) $(-5p^2q^4r) \times 7pq^5r^3 =$

_____

17) $(-9a^4b^7c^4) \times (-4a^7b) =$

_____

18) $7u^5v^9 \times (-5u^{12}v^7) =$

_____

19) $5u^3v^9z^2 \times (-4uv^9z) =$

_____

20) $(-9xy^2z^4) \times 2x^2yz^5 =$

_____

21) $8x^3y^2z^5 \times (-9x^4y^2z) =$

_____

22) $6a^8b^8c^{12} \times 9a^7b^5c^8 =$

_____

Multiplying and Dividing Monomials

Simplify each expression.

1) $(8x^3)(2x^2) =$

_____

2) $(4x^6)(5x^4) =$

_____

3) $(-6x^8)(3x^3) =$

_____

4) $(5x^8y^9)(-6x^6y^9) =$

_____

5) $(8x^5y^6)(3x^2y^5) =$

_____

6) $(8yx^2)(7y^5x^3) =$

_____

7) $(4x^2y)(2x^2y^3) =$

_____

8) $(-2x^9y^4)(-9x^6y^8) =$

_____

9) $(-5x^8y^2)(-6x^4y^5) =$

_____

10) $(8x^8y)(-7x^4y^3) =$

_____

11) $(9x^6y^2)(6x^7y^4) =$

_____

12) $(8x^9y^5)(6x^5y^4) =$

_____

13) $(-5x^8y^9)(7x^7y^8) =$

_____

14) $(6x^2y^5)(5x^3y^2) =$

_____

15) $(9x^5y^{12})(4x^7y^9) =$

_____

16) $(-10x^{14}y^8)(2x^7y^5) =$

_____

17) $\frac{8x^4y^3}{xy^2} =$

_____

18) $\frac{6x^5y^6}{2x^3y} =$

_____

19) $\frac{12x^3y^7}{4xy} =$

_____

20) $\frac{-20x^8y^9}{5x^5y^4} =$

_____

Multiplying a Polynomial and a Monomial

Find each product.

1) $x(x-2) =$

_____

2) $2(2+x) =$

_____

3) $x(x-1) =$

_____

4) $x(x+3) =$

_____

5) $2x(x-2) =$

_____

6) $5(4x+3) =$

_____

7) $4x(3x-4) =$

_____

8) $x(5x+2y) =$

_____

9) $3x(x-2y) =$

_____

10) $6x(3x-4y) =$

_____

11) $2x(3x-8) =$

_____

12) $6x(4x-6y) =$

_____

13) $3x(4x-2y) =$

_____

14) $2x(2x-6y) =$

_____

15) $5x(x^2+y^2) =$

_____

16) $3x(2x^2-y^2) =$

_____

17) $7(2x^2+9y^2) =$

_____

18) $2x(-2x^2y+3y) =$

_____

19) $-2(2x^2-4xy+2) =$

_____

20) $5(x^2-6xy-8) =$

_____

Multiplying Binomials

Find each product.

1) $(x-2)(x+5) =$

_____

2) $(x+4)(x+2) =$

_____

3) $(x-2)(x-4) =$

_____

4) $(x-8)(x-2) =$

_____

5) $(x-7)(x-5) =$

_____

6) $(x+6)(x+2) =$

_____

7) $(x-9)(x+3) =$

_____

8) $(x-8)(x-5) =$

_____

9) $(x+3)(x+7) =$

_____

10) $(x-9)(x+4) =$

_____

11) $(x+6)(x+6) =$

_____

12) $(x+7)(x+7) =$

_____

13) $(x-8)(x+7) =$

_____

14) $(x+9)(x+9) =$

_____

15) $(x-8)(x-8) =$

_____

16) $(2x-9)(x+5) =$

_____

17) $(2x-3)(x+4) =$

_____

18) $(2x+4)(x+2) =$

_____

19) $(2x+2)(x+3) =$

_____

20) $(2x-4)(2x+2) =$

_____

Factoring Trinomials

Factor each trinomial.

1) $x^2 + 3x - 10 =$

_____

2) $x^2 + 6x + 8 =$

_____

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

4) $x^2 - 10x + 16 =$

_____

5) $x^2 - 13x + 40 =$

_____

6) $x^2 + 8x + 12 =$

_____

7) $x^2 - 6x - 27 =$

_____

8) $x^2 - 14x + 48 =$

_____

9) $x^2 + 15x + 56 =$

_____

10) $x^2 - 5x - 36 =$

_____

11) $x^2 + 12x + 36 =$

_____

12) $x^2 + 16x + 63 =$

_____

13) $x^2 + x - 72 =$

_____

14) $x^2 + 18x + 81 =$

_____

15) $x^2 - 16x + 64 =$

_____

16) $x^2 - 18x + 81 =$

_____

17) $2x^2 + 8x + 6 =$

_____

18) $2x^2 + 6x - 8 =$

_____

19) $2x^2 + 12x + 10 =$

_____

20) $4x^2 + 6x - 28 =$

_____