Name:

Date:

Writing Polynomials in Standard Form

Write each polynomial in standard form.

1) $3x^2 - 5x^4 =$

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

3) $x^2 - 3x^2 =$

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

5) $12 - 5x^3 + 6x^3 =$

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

7) $10 - 3x^2 + x^3 =$

8) $5x^2 - 2x^2 + 4x^3 =$

9) $2x^2 - 3x^2 + 10x^3 =$

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

11) $-2x^4 + 6x^4 =$

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

13) $12x^4 - 5x^3 + 6x^4 =$

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

15) $x - 14x^2 + x^2 + 3x^3 =$

16) $3x(10x^2 + x) =$

17) $5x - 12x^2 + x^4 + 2x^2 =$

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

19) $-12 + 10x + 3x^2 - 10x^2 =$

20) $7x(2 + x - 4x + 2x^2) =$

Name:

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Writing Polynomials in Standard Form

Answers

Write each polynomial in standard form.

1) $3x^2 - 5x^4 = -5x^4 + 3x^2$

2) $2x^2 + 5x^2 - 3x^3 = -3x^3 + 7x^2$

3) $x^2 - 3x^2 = -2x^2$

4) $7x(x^2 + 3x^3 - 2x^2) = 21x^4 - 7x^3$

5) $12 - 5x^3 + 6x^3 = x^3 + 12$

6) $5x^2 - 10x^4 + 6x^2 + 2x^3 = -10x^4 + 2x^3 + 11x^2$

7) $10 - 3x^2 + x^3 = x^3 - 3x^2 + 10$

8) $5x^2 - 2x^2 + 4x^3 = 4x^3 + 3x^2$

9) $2x^2 - 3x^2 + 10x^3 = 10x^3 - x^2$

10) $2x(3x^3 + 4x^4 - 2) = 8x^5 + 6x^4 - 4x$

11) $-2x^4 + 6x^4 = 4x^4$

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

13) $12x^4 - 5x^3 + 6x^4 = 18x^4 - 5x^3$

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

15) $x - 14x^2 + x^2 + 3x^3 = 3x^3 - 13x^2 + x$

16) $3x(10x^2 + x) = 30x^3 + 3x^2$

17) $5x - 12x^2 + x^4 + 2x^2 = x^4 - 10x^2 + 5x$

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

19) $-12 + 10x + 3x^2 - 10x^2 = -7x^2 + 10x - 12$

20) $7x(2 + x - 4x + 2x^2) = 14x^3 - 21x^2 + 14x$