



Take Test: GCF of Polynomials and Guess and Check Factoring Quiz

Description

Instructions

Multiple Attempts Not allowed. This Test can only be taken once.

Force Completion This Test can be saved and resumed later.

Save All Answers

Save and Submit

Question 1

4 points

Save Answer

What are the factors of $-24x^3y^2z$? Select all that apply.

- ☐ 8
- ☐ -8
- ☐ x^5
- ☐ z^2

Question 2

3 points

Save Answer

Find the GCF of the polynomial, $3a^3b^3 + 9a^2b + a^2$.

- ☐ $3ab$
- ☐ a^2
- ☐ $3a^2b$
- ☐ 3

Question 3

3 points

Save Answer

Which option below shows the polynomial, $4x^2 + 10x$ factored using the GCF?

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

Question 4

3 points

Save Answer

Which option below shows the polynomial, $21a^7b^4 - 7a^2b^5 + 49a^5b^7c$ factored using the GCF?

- ☐ $7a^2b^4(3a^5 - b + 7a^3b^3c)$
- ☐ $7a^4b^3(3ab^2 - b^6 + 7b^3c)$
- ☐ $a^2b^4(21a^5b - 7b + 49a^3b^3c)$
- ☐ $7abc(3a^6b^2 - ab + 7a^4b^5c)$

Question 5

4 points

Save Answer

What are the factors of the polynomial $a^2 + 2a - 35$?
Select all that apply.

- ☐ $a - 7$
- ☐ $a + 2$
- ☐ $a + 7$
- ☐ $a - 5$

Question 6

3 points

Save Answer

Question Completion Status:

by the factors

- ☐ $x^2 - 3x - 40$
- ☐ $x^2 + 3x - 10$
- ☐ $x^2 + 3x + 40$

☐ $x^2 - 5x - 8$

Question 7

3 points

[Save Answer](#)

If one of the factors of $12x^2 - 13x + 3$ is $3x - 1$, what is the other factor?

- ☐ $4x + 3$
- ☐ $4x - 3$
- ☐ $4x - 1$
- ☐ $4x + 1$

Question 8

3 points

[Save Answer](#)

Which of the following binomials is a factor of $3x^2 - 13x + 12$?

- ☐ $(3x + 4)$
- ☐ $(3x - 4)$
- ☐ $(x - 4)$
- ☐ $(x + 3)$

Save and Submit

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

[Save All Answers](#)[Save and Submit](#)