

CARD 1

Factor the greatest common factor out of the expression:

$$-45x^5 - 20x^4 - 25x^3 - 40x^2$$

ANSWER

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

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CARD 2

Factor the greatest common factor out of the expression:

$$-20x + 40x^2 + 100x^3 + 30x^4$$

ANSWER

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

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CARD 3

Factor the greatest common factor out of the expression:

$$81x^2 - 9x + 45$$

ANSWER

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

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CARD 4

Factor the greatest common factor out of the expression:

$$-6xy^2 + 8x^6 - 2x$$

ANSWER

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

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CARD 5

Factor the greatest common factor out of the expression:

$$-6xy^2 + 8x^6$$

ANSWER

$$-2x(3xy^2 - 4x^5)$$

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CARD 6

Factor the greatest common factor out of the expression:

$$63x^2y - 45xy$$

ANSWER

$$9xy(7x - 5)$$

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CARD 7

Factor the greatest common factor out of the expression:

$$-30x^3y + 5xy + 45$$

ANSWER

$$5(-6x^3y + x + 9)$$

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CARD 8

Factor the greatest common factor out of the expression:

$$20x^5 - 20x^2 - 2x$$

ANSWER

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

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CARD 9

Factor the greatest common factor out of the expression:

$$16x^2 - 12x$$

ANSWER

$$4x(4x - 3)$$

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CARD 10

Factor the greatest common factor out of the expression:

$10x + 10x^2$

ANSWER

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

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CARD 11

Factor the greatest common factor out of the expression:

$2x^9 + 10x^7 - 4x^5 + 7x^4$

ANSWER

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

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CARD 12

Factor the greatest common factor out of the expression:

$-4x^4 + 4x^2 - 2x$

ANSWER

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

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CARD 13

Factor the greatest common factor out of the expression:

$7x^4 + 10x^3 + 3x^2$

ANSWER

$-2x(3y^2 - 4x^5)$

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CARD 14

Factor the greatest common factor out of the expression:

$-16x^4y^4 - 24x^5y^2$

ANSWER

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

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CARD 15

Factor the greatest common factor out of the expression:

$72x^3 + 32x + 72$

ANSWER

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

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CARD 16

Factor the greatest common factor out of the expression:

$70x^4 + 21x^3 + 14x^2$

ANSWER

$4x(4x - 3)$

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ANSWER SHEET

FACTORING GREATEST COMMON FACTOR



Name: _____ Period: _____ Date: _____

CARD 1

CARD 2

CARD 3

CARD 5

CARD 6

CARD 7

CARD 8

Scavenger Hunt Answers



ANSWER SHEET

Scavenger Hunt Answers

CARD 9

CARD 10

CARD 11

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