

COMBINING LIKE TERMS SCAVENGER HUNT WITH EXPONENTS

U

$$+ 2x^2 + 3x^3 - 5 + 6x^2 +$$

E

$$3x + 4x^2 - 6 + 8x - 7x^2$$

$$10x^4 + 6x + 2 + 11$$

M

$$-x^2 + 5x + 9 - x^2 + 11x + 3$$

$$13x^2 + 3x + 2$$

SELF-CHECKING!!

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Factory

DIRECTIONS

Post the pages around your room in a random order. The students may start on any letter they choose. They first solve the problem on the top of the page. They can organize their progress and show all of their work on the accompanying student work page. Then, they are to find the answer to their problem on the bottom of another page. They then solve the problem on the top of that page. They continue around the room until they return to the first page where they started their scavenger hunt. Starting with the "E" page the pages spell EUCHROMATINS when solved in the correct order. Enjoy!

The image shows two math scavenger hunt cards. The first card, labeled 'E', has a problem at the top: $3x + 4x^2 - 6 + 8x - 7$. Below it is a horizontal line with arrows at both ends. At the bottom of the card is the answer: $10x^4 + 6x + 2$. A yellow arrow points from the left towards the 'E' card with the text "1. Complete the starting problem." A second yellow arrow points from the bottom of the 'E' card towards the 'U' card with the text "2. Find the answer at the bottom of another page." The second card, labeled 'U', has a problem at the top: $-4 + 2x^2 + 3x^3 - 5 + 6x^2 + 2x^3$. Below it is a horizontal line with arrows at both ends. At the bottom of the card is the answer: $3x^2 + 11x - 6$. A yellow arrow points from the right towards the 'U' card with the text "3. Complete the problem on the top of the new page." Both cards have a blue and white striped border and a copyright notice "© The Math Factory 2015" at the bottom.

E

$$3x + 4x^2 - 6 + 8x - 7x^2$$



$$10x^4 + 6x + 2$$

U

$$-4 + 2x^2 + 3x^3 - 5 + 6x^2 + 2x^3$$



$$-3x^2 + 11x - 6$$

C

$$6x^4 + 3x^2 - 8 + 2x^2 + x^4$$



$$5x^3 + 8x^2 - 9$$

H

$$5x^3 + 9x^2 + 6 - 9x^3 + 5x^2 + 6$$



$$7x^4 + 5x^2 - 8$$

R

$$3x^4 - 6x^2 + 3x^4 + 8 + 10x^2$$



$$-4x^3 + 14x^2 + 12$$

O

$$-7 + 12x^2 + 9x + 10 - 6x + x^2$$



$$6x^4 + 4x^2 + 8$$

M

$$-x^2 + 5x + 9 - x^2 + 11x + 3$$



$$13x^2 + 3x + 3$$

A

$$21 + x + x^2 + 6x^2 + 8$$



$$-2x^2 + 16x + 12$$

T

$$-3 - x^4 + 2x^2 - 5x^4 + 7x^2 - 9$$



$$7x^2 + x + 29$$



$$14 + 3x^3 - x^2 - 6x^3 - 7x^2 + 6$$



$$-6x^4 + 9x^2 - 12$$

N

$$9x^2 - 7 + 3x^4 - 2x^2 + 8x^4 + 9$$



$$-3x^3 - 8x^2 + 20$$

S

$$5x^4 + 6x + 8x^4 + 9 - 3x^4 - 7$$



$$11x^4 + 7x^2 + 2$$

Scavenger Hunt Student Work Sheet

Name _____

Directions: Place the letter for each problem in the boxes at the top in the order you complete the problems. Show your work in the boxes below. The line in each box is for the letter of the problem.

--	--	--	--	--	--	--	--	--	--	--	--

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

THANK YOU!!

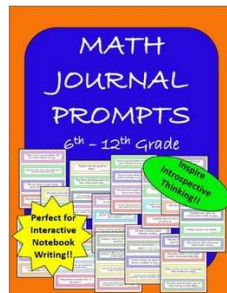
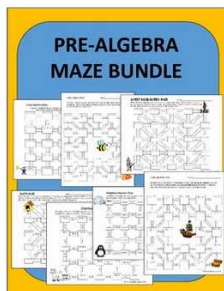
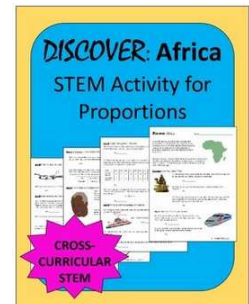
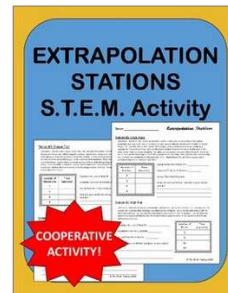
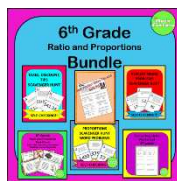
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