

Name: _____

Class: _____

Solve the following polynomial operations and then using the key, colour the picture on the back.

Key

1	2	3	4	5	6	7	8
$5x^2y - 2x^3 + y$	$8x^3 - 4x^2 + 7$	$3x^2 - 9x + 1$	$3x - 5x^4 + 1$	$-18x^3y^2 - 9x^3y + 12x^2y^3$	$10x^5y^3 - 6x^6y^2 + 2x^3y^2$	$-4x^8 - 6x^6$	$12x^5 - 6x^3$

Colour	Question	Answer
Sky Blue	$\frac{9x^2 - 15x^5 + 3x}{3x}$	
Purple	$-3xy(6x^2y + 3x^2 - 4xy^2)$	
Light Green	$2x^5(-2x^3 - 3x)$	
Blue	$\frac{12x^3 - 36x^2 + 4x}{4x}$	
Magenta	$3x^2(4x^3 - 2x)$	
Yellow	$\frac{10x^3y^2 - 4x^4y + 2xy^2}{2xy}$	
Green	$-2x^2y(-5x^3y^2 + 3x^4y - xy)$	
Orange	$\frac{16x^5 - 8x^4 + 14x^2}{2x^2}$	

