

Fill in the table. One row has multiple possible correct answers.

First Expression	Second Expression	Highest Common Factor	Lowest Common Multiple
$3x^2y^3$	$4x^4$	x^2	
$(x + 3)^2(y + 1)$	$(x + 3)(x + 4)(y + 1)$		$(x + 3)^2(x + 4)(y + 1)$
$9x^3yz$	$6x^2y^2z^2$		
$x^2 + 7x + 6$	$(x + 6)(x + 2)$		
$x^2 - 9$		$x - 3$	$(x + 3)(x - 3)$
	$2x^2y$	$2xy$	$14x^2y^3$
$2y^2 - 7y - 4$	$3y^2 - 11y - 4$		
		$5a^2b$	$5a^2b$
		1	$10(x - 3)(x + 2)(x - 1)$
$12x^3y^2$		$6xy$	$36x^3y^2z$
$96ab^3$		24	$288ab^3$

First Expression	Second Expression	Highest Common Factor	Lowest Common Multiple
$3x^2y^3$	$4x^4$	x^2	$12x^4y^3$
$(x + 3)^2(y + 1)$	$(x + 3)(x + 4)(y + 1)$	$(x + 3)(y + 1)$	$(x + 3)^2(x + 4)(y + 1)$
$9x^3yz$	$6x^2y^2z^2$	$3x^2yz$	$18x^3y^2z^2$
$x^2 + 7x + 6$	$(x + 6)(x + 2)$	$x + 6$	$(x + 1)(x + 2)(x + 6)$
$x^2 - 9$	$x - 3$	$x - 3$	$(x + 3)(x - 3)$
$14xy^3$	$2x^2y$	$2xy$	$14x^2y^3$
$2y^2 - 7y - 4$	$3y^2 - 11y - 4$	$y - 4$	$(2y + 1)(y - 4)(3y + 1)$
$5a^2b$	$5a^2b$	$5a^2b$	$5a^2b$
$5(x - 3)(x + 2)$ Other answers possible!	$2(x - 1)$ Other answers possible!	1	$10(x - 3)(x + 2)(x - 1)$
$12x^3y^2$	$18xyz$	$6xy$	$36x^3y^2z$
$96ab^3$	72	24	$288ab^3$