

Warm Up

Complete the table

	$2x$	$y - 7$	$-9 + y + 2y^2$	3
Name	monomial	binomial	trinomial	monomial
# terms	1	2	3	1
coefficient(s)	2	1	1, 2	none
degree	1	1	2	0
constant	0	-7	-9	3
variable	x	y	y	none

Simplify

$$2. \quad 2x^3(6x^2 + 3x - 9) = 12x^5 + 6x^4 - 18x^3$$

$$3. \quad \frac{9x^5 - 3x^4 + 21x}{-3x} = -3x^4 + x^3 - 7$$