

# COUNTDOWN Challenge

## Polynomials

Can you complete the following chart? First simplify the polynomial in the first column, then classify it as a monomial (1 term), binomial (2 terms) or trinomial (3 terms).

<u>Polynomial</u>	<u>Simplified Form</u>	<u>Type of Polynomial</u>
$2a^2 + 2b^2 + 2a^2 + 2b^2$	$4a^2 + 4b^2$	Binomial
$2a^2 + 2b^2 + 2c^2 + 2a^2 + 2b^2$	_____	Trinomial
$2a^2 + 2a^2 + 2a^2 + 2a^2 + 2a^2$	_____	Monomial
$2a^2 + 2b^2 - 2a^2 + 2b^2$	_____	_____
$2a^2 + 3b^2 - 2b^2 + 4a^2 + 2c^2 + 4c^2$	_____	_____
$2ab + 3cd + 4dx + 2cd$	_____	_____
$2a + 3b - a + 3b - 6b$	_____	_____
$2a + 2a^2 + 3a + 5a^2$	_____	_____
$2a^3b^5 + 3a^5b^3 + 3 + 5a^2$	_____	_____