Sum of Squares, Sum of Cubes
Difference of Squares, Difference of Cubes

To find the factors for $x^2 + y^2$, $x^3 + y^3$, $x^2 - y^2$, $x^3 - y^3$, fill out the outside of these multiplication rectangles. You need not do these in order. Not all are possible.

x^2	
	$+ y^2$

x^3		
		$+ y^3$

x^2	
	$- y^2$

x^3		
		$- y^3$