Operation Monomial (a game to play with your class)

x	$2x$	$3x$	$4x$	$5x$	$6x$	$7x$
$-x$	$-2x$	$-3x$	$-4x$	$-5x$	$-6x$	$-7x$
x^2	$2x^2$	$3x^2$	$4x^2$	$5x^2$	$6x^2$	$7x^2$
$-x^2$	$-2x^2$	$-3x^2$	$-4x^2$	$-5x^2$	$-6x^2$	$-7x^2$
x^3	$2x^3$	$3x^3$	0	$-x^3$	$-2x^3$	$-3x^3$
x^4	x^5	x^6	x^7	$2x^4$	$2x^5$	$2x^6$
1	2	3	4	5	6	7
-1	-2	-3	-4	-5	-6	-7

Operation Monomial (a game to play with your class)

☐ + ☐	☐ − ☐
☐ ÷ ☐	☐ • ☐

Place a random selection of six monomials and two operations on the whiteboard (use a document camera to display this). In your head, combine two monomials with one of the operations and write this "target" on the board. Students should write down every combination that works to give the target. Students that find them all get a point on **their** scoreboard. After each round, clear the monomials that were used, erase the old target number. Replace with new selections, and repeat till you're all tired of playing.