Monomial Factor Game with Integers

Rules

- Team 1 selects two monomials from the bottom of the Game Board (and places a paperclip on each one).
- Team 1 places one of their counters (or tiles) on the PRODUCT of those two monomials. This is now their square.
- Team 2 selects ONE of the paperclips to move to any other factor from the bottom (note: it is okay to have two paperclips on the same factor).
- Team 2 now places one of their counters (or tiles) on the product of the two factors being covered with paperclips.
- Teams continue taking turns, each time moving only 1 of the paperclips and always marking the product of the two monomials covered with paperclips with their team marker.
- The winner is the first team to have 4 spaces marked in a row (horizontally, vertically or diagonally).

Reminder about rules with integers:

- • - = _____
- • + = _____
+ • - = _____
+ • + = _____

Reminder about multiplying with variables (Note: # represents a number without any variables (also called a constant).

***x* • *x* = _____**
***x* • # = _____**
 # • # = _____

Monomial Factor Game

Game Board

$6x^2$	-1	$-6x$	$3x$	$9x^2$	$8x$
-2	$-8x$	$-x$	x	$-4x^2$	-9
-6	$4x^2$	$-4x$	$2x^2$	-3	$-2x^2$
$4x$	x^2	$9x$	$-2x$	$-9x$	$-6x^2$
9	3	6	$-9x^2$	$3x^2$	$-4x^2$
$8x^2$	$6x$	$2x$	$-3x$	2	1

Factor Choices

-3 -2 -1 $-3x$ $-2x$ x $2x$ $3x$ 1 2 3