

Linear Equations: One Solution, No Solution, Infinitely Many Solutions Card Sort

Put the cards from page 1 into the correct columns below based on how many solutions they have.

One solution	No solution	Infinitely many solutions
$5x + 11 = -4$	$7x - 9 = 7x - 3$	$-18x = -2(9x)$
$6x + 2 = 14$	$2(x + 8) = 2x + 8$	$4x = 5x - x$
$18 = -2 + 4x$	$4x + x = 8 + 5x$	$-10x + 4x = -6x$
$-9x - 3x = 2(x + 14)$	$x + 5x - 11 = 2(3x + 5)$	$6(x - 2) = 3(2x - 4)$
$3(x + 8) = 15x - 6 + 3x$	$5(x + 4) = 5x - 18$	$8x + 2x - 6 = 2(5x - 3)$
$12x - 15 = 8x - 3$	$4x - 16 = 4(x + 4)$	$2(4x + 7) = 13x - 5x + 14$