

Group Members: \_\_\_\_\_

Directions: Determine if each equation has one solution, infinite solutions, or no solution.

Solution	Infinite Solutions	No Solution

Equations visible on the cards:

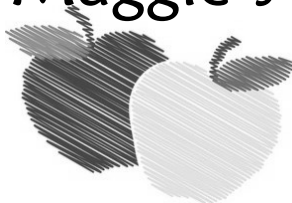
- $+ 23 = - 27 - 3x$
- $6x = 19 - 7x$
- $2x + 3x = 20$
- $4(-8x + 5) =$
- $+ 4 + 5x = 5x - 4$
- $4(2x - 3) = 2(4x - 6)$

## OBJECTIVE:

Students work in groups to determine (by inspection) if the given equations have one solution, infinite solutions, or no solution.

# ONE, INFINITE, OR NO? MATCHING ACTIVITY

Maggie's



Group Members: \_\_\_\_\_

## One, Infinite, or No?

**Directions:** Determine if each equation has one solution, infinite solutions, or no solution.

One Solution	Infinite Solutions	No Solution

$10x + 23 = -27 - 3x$	$2x + 3x = 20$	$4(-8x + 5) = -32x - 26$
$-x + 7 - 6x = 19 - 7x$	$-3(x + 3) = -3x - 9$	$3x + 29 = 29 - 3x$
$-2(x + 3) = -2x - 6$	$-\frac{1}{2}(36x - 6) = \frac{3}{4}(4 - 24x)$	$3(2x - 1) = 9(x + 3)$
$12(2x + 11) = 12(2x + 12)$	$-1 = \frac{b}{4} - 7$	$6x + 7 = 3x - 11$
$2x + 3 = 2x + 7$	$6x + 5 - 2x = 4 + 4x + 1$	$5(2x + 1) = 10x$
$6x = 8 - 9 + 6x$	$-4 + 5x = 5x - 4$	$4(2x - 3) = 2(4x - 6)$