Directions: Solve each equation and then circle its solution type (one solution, no solution, or infinite many solutions).

1.	2(4x + 4) = 10x $4x + 8 = 10x$ $-8x$ $8 = 4x$ $x = 4$	No Solution Infinite Many Solutions One Solution	2. $4x + 5 = 6x - 9$ $-6x - 6x$ $-2x + 5 = -9$ $-5 - 5$ No Solution Infinite Many Solutions $x = 7$ One Solution
3.	$5x + 4x - 4 = 9x$ $9x - 4 = 9x$ $-9x - 9x$ $-4 \neq 0$	No Solution Infinite Many Solutions One Solution	4. $x + 4 = -9 + x$ $-x$ $4 \neq -9$ No Solution Infinite Many Solutions One Solution
5.	7(2x+3) = 28 $14x+21 = 28$ $-21-21$ $14x = 7$ 14 14	No Solution Infinite Many Solutions One Solution	6. $-5x + 4 = 3 - 5x + 1$ $-5x + 4 = 4 - 5x$ $-5x + 4 = 4 - 5x$ No Solution Infinite Many Solutions One Solution
7.	$2x + 3 = 2(x - 8)$ $2x + 3 = 2x - 16$ $-2x$ $3 \neq -16$	No Solution Infinite Many Solutions One Solution	8. $12x + 22 = 2(6x + 11)$ $12x + 22 = 12x + 22$ No Solution Infinite Many Solutions One Solution
9.	$-10x + 1 + 8x = -11$ $-2 \times 4 / = -1/$ $-2 \times 4 = -1/$ $-1/$	No Solution Infinite Many Solutions One Solution	10. $15x - 12x - 5 = 3x + 7$ $3x - 5 = 3x + 7$ No Solution Infinite Many Solutions One Solution