

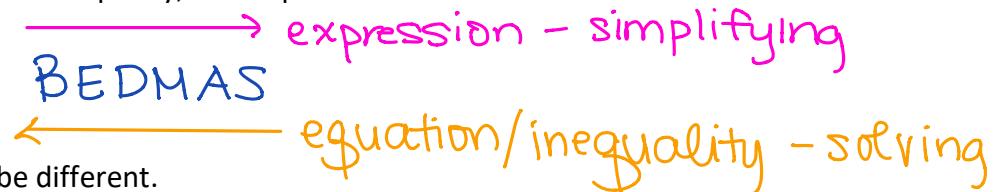
Name: _____

Date: _____

Learning Goal 9.1

Solving linear inequalities.

Whether solving an equation or an inequality, the steps are the same



Presentation of the solution will be different.

Every solution will include a number line.

Example Solve the following.

Equations	Inequalities
$h + 3 = 5$ $-3 \quad -3$ $h = 2$	$h + 3 < 5$ $-3 \quad -3$ $h < 2$
	 $6.2 = x - 4.5$ $+4.5 \quad +4.5$ $10.7 = x$ $x = 10.7$
$2a - 5 = 2 + 3a$ $-2a \quad -2a$ $-5 = 2 + a$ $-2 \quad -2$ $-7 = a$ $a = -7$	$6.2 \leq x - 4.5$ $+4.5 \quad +4.5$ $10.7 \leq x$ $x \geq 10.7$  $2a - 5 \geq 2 + 3a$ $-2a \quad -2a$ $-5 \geq 2 + a$ $-2 \quad -2$ $-7 \geq a$ $a \leq -7$ 

