

2/01/20.2 Algebra 1 1<sup>st</sup> Block

$3y - 8 > 22$	$3(0) - 8 > 22$	$3(5) - 8 > 22$
$3 \cdot 2 - 8 > 22$	$0 - 8 > 22$	$15 - 8 > 22$
$6 - 8 > 22$	$-8 > 22$	$7 > 22$
$-2 > 22$		

$8m + -6 \leq 10$	$8(3) - 6 \leq 10$	$8(-1) - 6 \leq 10$
$8(2) + -6 \leq 10$	$24 - 6 \leq 10$	$-8 + -6 \leq 10$
$16 + -6 \leq 10$	$18 \leq 10$	$-14 \leq 10$
$10 \leq 10$		

$4x + 2 < -6$	$y > 2$	$z \leq -5$
$4(0) + 2 < -6$	$\leftarrow \text{---} \textcircled{+} \text{---} \rightarrow$ 2	$\leftarrow \text{---} \textcircled{\ominus} \text{---} \rightarrow$ -5
$2 < -6$		
$-\frac{9}{4} \leq c$	$y \leq -5$	$x \geq 2$
$\leftarrow \text{---} \textcircled{\ominus} \text{---} \rightarrow$ -3   -2.25   -2	$\leftarrow \text{---} \textcircled{\ominus} \text{---} \rightarrow$ -5	$\leftarrow \text{---} \textcircled{+} \text{---} \rightarrow$ 2

$x < -7$	$p + 4 < 1$	$8 \geq d + -2$
	$\frac{+4 \quad +4}{p < 5}$	$\frac{+2 \quad +2}{10 \geq d}$
		$\leftarrow \text{---} \textcircled{\ominus} \text{---} \rightarrow$ 10

$y + 5 < -7$	$4 + c > 7$
$\frac{-5 \quad -5}{y < -12}$	$\frac{-4 \quad -4}{c > 3}$
$\leftarrow \text{---} \textcircled{\ominus} \text{---} \rightarrow$ 12	

Two step Equations

\* 2 operations

$2x + -y = 9$	* / - ±
$\frac{+1 \quad +1}{2x = 10}$	Reverse Pmdas

$\frac{2}{2} \frac{10}{2}$
$x = 5$