2.4 Solving Multi-Step Inequalities

Ex 1

a) $\frac{x}{-6} + 7 < 9$

$-7 \quad -7$

$\frac{x}{-6} < 2$

$\cdot -6$

$x > -12$

b) $2v - 4 \geq 8$

$+4 \quad +4$

$\frac{2v}{2} \geq \frac{12}{2}$

$v \geq 6$

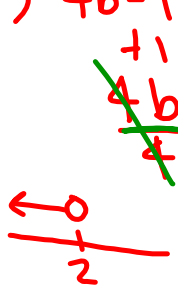
Try: Solve/Graph

1) $4b - 1 < 7$

$+1 \quad +1$

$\frac{4b}{4} < \frac{8}{4}$

$b < 2$

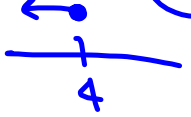


2) $+8 \quad -9c \geq -28$

$-8 \quad -8$

$\frac{-9c}{-9} \leq \frac{-36}{-9}$

$c \leq 4$



3) $\frac{n}{-2} + 11 > 12$

$-11 \quad -11$

$\frac{n}{-2} > 1$

$\cdot -2$

$n < -2$