

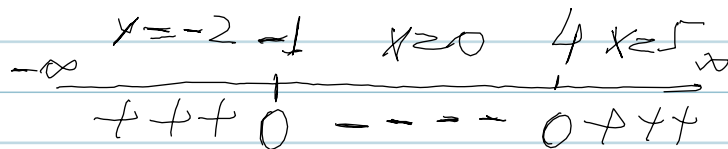
SOLVE INEQUALITIES!

$$x^2 - 3x - 4 \leq 0$$

$$x^2 - 3x - 4 = 0$$

$$(x-4)(x+1) = 0$$

$$x = 4 \quad x = -1$$



$$x \in [-1, 4]$$

$$4 + 6 - 4 = 6$$

$$25 - 15 - 4 = 6$$

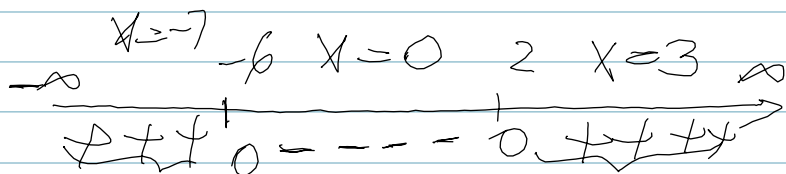
$$0 - 0 - 4 = -4$$

$$x^2 + 4x - 12 > 0$$

$$x^2 + 4x - 12 \geq 0$$

$$(x+6)(x-2) = 0$$

$$x \geq -6 \quad x = 2$$



$$x \in (-\infty, -6) \cup (2, \infty)$$

$$49 - 28 - 12 = 9$$

$$9 + 12 - 12 = 9$$