

## A.CED.A Exemplary Prep #1

Solve each compound inequality.

1)  $-10v + 10 \leq 0$  or  $4 - 4v \geq 20$

$$v \geq 1 \text{ or } v \leq -4$$

2)  $6x - 1 \geq -13$  and  $1 + 10x < 101$

$$-2 \leq x < 10$$

3)  $-9x + 9 \geq -9$  and  $-9x - 1 \leq 62$

$$-7 \leq x \leq 2$$

4)  $7k + 1 > 29$  and  $k + 5 < 11$

$$4 < k < 6$$

5)  $5 - 9x > -31$  and  $8 - 7x \leq 15$

$$-1 \leq x < 4$$

6)  $9n - 1 \geq -1$  or  $6n + 4 < -32$

$$n \geq 0 \text{ or } n < -6$$

7)  $1 + 10r > 81$  or  $9r + 9 < -45$

$$r > 8 \text{ or } r < -6$$

8)  $-3 - 6n < -39$  or  $-4n + 9 > 9$

$$n > 6 \text{ or } n < 0$$

9)  $6b + 5 > 35$  and  $-7b + 7 > -49$

$$5 < b < 8$$

10)  $x - 10 > -2$  or  $-4 + 6x < 14$

$$x > 8 \text{ or } x < 3$$