Solve, write your answer in interval notation and graph the solution set.

14c. |2x-1|+7 greater than or equal to 1

14d. |5x+3| less than or equal to -1

Solution:

14c. $|2x-1|+7 \geq 1$

$|2x-1| \geq -6$

It is known, that $|a| \geq 0$, so, obviously, $|2x-1| \geq 0$ => $|2x-1| \geq -6 \ \forall x$

Answer: (-∞; +∞)

14d. $|5x+3| \leq -1$

It is known, that $|a| \geq 0$, so it can't be ≤0, or ≤-1. Obviously, our equation has no solution.

Answer: empty set (no solutions).