

## 2.1d Notes – Solving Compound Inequalities

**Ex #1:** A ski shop carries skis that are between 150 and 220 cm long. They recommend that the skis be 1.25 cm longer than your height. Calculate the heights that a person can be and still rent skis from here. Write your answer below.

How can we write the solution mathematically?

**OR**

**Ex #2:** Solve the following compound inequality and graph it:

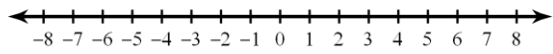
$$3x + 1 < 4 \text{ or } 2x - 5 > 7$$

**Ex #3:** Solve the following compound inequality and graph it:

$$3 \geq -2x + 3 \geq 7$$

**Ex #4:** Solve and graph your inequality:

$$r - 1 < 9 \text{ or } \frac{r}{10} \geq 0$$



**Ex #5:** Solve and graph your inequality:

$$-9n < 90 \text{ or } 4 + n > 11$$

