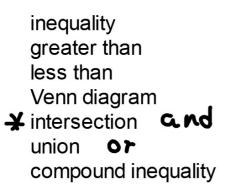
Algebra 1 5.4
Solve compound inequalities (and/or)
Graph solution sets of compound inequalities



triangle puzzles



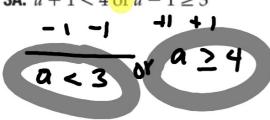
 To ride certain roller coasters, you must be at least 52 inches tall, and your height cannot exceed 72 inches.
 h epresents the height of a rider, we can write two inequalities to represent this.

Whiteboards

Solve each compound inequality. Then graph the solution set.

3A. a + 1 < 4 or $a - 1 \ge 3$

3B.
$$x \le 9 \text{ or } 2 + 4x < 10$$





Practice: solve & graph

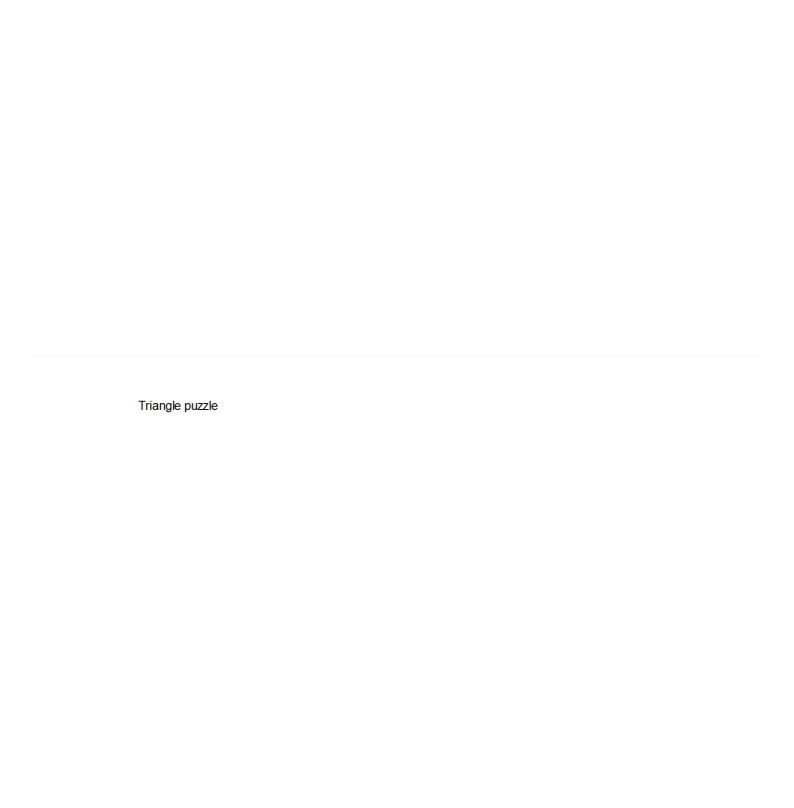


2x+6>18

3x-1>5 or 2x+2<-4

4<u><</u>2x-6<u><</u>18

$3x+7 \le 16$ and $2x-1 \ge -15$



$$3(x+5) \ge 2x + 10$$

$$3x + -15 \ge 2x + 10$$

$$-2x$$

$$-2x$$

$$x + 75 \ge 10$$

$$x \ge 25$$