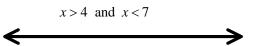
Solving Compound Inequalities

Intersection

Conjunction

"And"



$$-3 \le x < 4$$

<u>Union</u>

Disjunction

"Or"

$$x > 4$$
 or $x \le 2$

$$-5 < x \text{ or } -7 > x$$

Directions: Solve and graph each compound inequality.

1.
$$-7 < 3x + 5 \le 8$$



2.
$$6 \le 8 - 3x \le 7$$



3.
$$-3x+8 < 4$$
 or $-2x-1 \ge 0$



4.
$$3y+2 \ge -2$$
 or $-4y+1 \ge -3$

