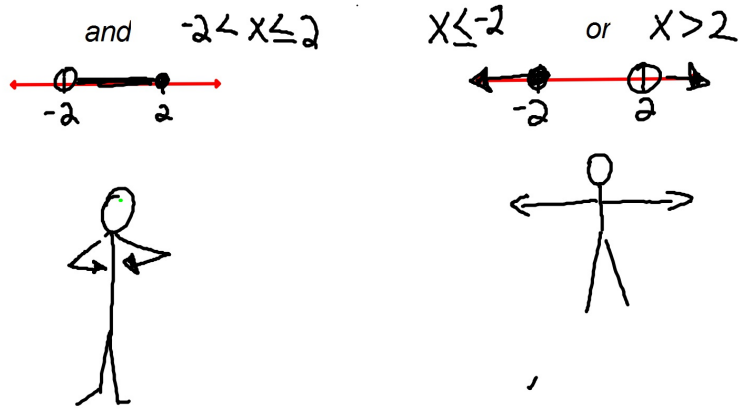


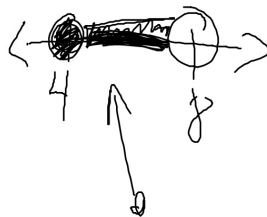
Solving Inequalities with Conjunctions



$$6 \leq x + 2 \quad \text{and} \quad \frac{3x}{3} < \frac{24}{3}$$

$$\frac{-2}{-2} \quad \frac{-2}{-2}$$

$$4 \leq x \quad ; \quad x < 8$$

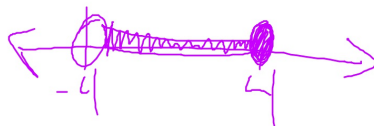


And $-7 < 2x + 1 \leq 9$

$-1 \quad -1 \quad -1$

divide $\frac{-8}{2} < \frac{2x}{2} \leq \frac{8}{2}$

$$-4 < x \leq 4$$



Dividing or mult. by a negative
 ↓
 Switches inequality

$$\frac{16 \geq -4x}{-4} \quad \text{and} \quad \frac{-4x \geq -24}{-4}$$

$$-4 \leq x \quad \text{and} \quad x \leq 6$$

$$\frac{x+5 < -11}{-5} \quad \text{or} \quad \frac{x+5 > 16}{-5}$$

$$x < -16 \quad \text{or} \quad x > 11$$

GENCO LECTURE-TABLE D.C. GALVANOMETER

$$\frac{2x-3 < 5}{2} \quad \text{or} \quad \frac{2x-3 \geq 5}{2}$$

$$x < 4 \quad \text{or} \quad x \geq 4$$

$$3x+1 \leq 4x+7 \quad \text{or} \quad 2x-3 > 10+x$$

$$\frac{-4x-1}{-4x-1}$$

$$\frac{-x+3}{3-x}$$

$$\frac{-1}{1} \leq \frac{6}{-1}$$

$$\frac{x}{1} > \frac{13}{1}$$

$$x \geq 6$$

$$x > 13$$

$$-6 \leq x$$

