

$$\frac{3}{w-1} - \frac{1}{2w-2} = \frac{1}{2w-2}$$

$$\left(\frac{3}{w-1}\right)\left(\frac{2}{2}\right) - \frac{1}{LCD} = \frac{1}{LCD}$$

$$\frac{6}{LCD} - \frac{1}{LCD} = \frac{1}{LCD}$$

$$\frac{6-1}{LCD} = \frac{1}{LCD}$$

$$5 = 1 \text{ ?!}$$

No sol'n!

LCD:
 $2w-2 =$
 $2(w-1)$

$$\frac{\text{STUFF}}{5w-5} = \frac{\text{STUFF}}{5(w-1)}$$

$w=1$ is BAD

Write everything
 over same denominator.
 For "=", we now dispense
 with denominator.
 For "<" or ">" sitch,
 you can't.

INCONSISTENT

② $\sqrt{\text{Negative}}$ is bad

$$\sqrt{2x-5} \quad \text{Need} \quad 2x-5 \geq 0$$

$$\sqrt{0} = 0, \text{ so } \geq, \text{ not } >$$

$$2x \geq 5$$

$$\frac{2x}{2} \geq \frac{5}{2}$$

$$-2x - 5 \geq 0$$

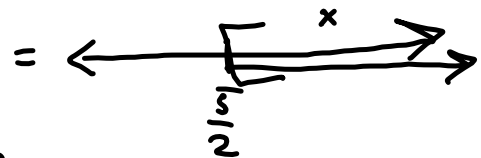
$$-2x \geq 5$$

$$\frac{-2x}{-2} \leq \frac{5}{-2}$$

$$x \leq \frac{5}{-2}$$

Set-Builder
Graph

$$D = \left\{ x \mid x \geq \frac{5}{2} \right\}$$



$$\text{Interval} = \left[\frac{5}{2}, \infty \right)$$

$$-2x - 5 \geq 0$$

meh

$$\frac{-2x - 5}{-2} \leq \frac{5}{-2}$$

$$\frac{-2x}{-2} \leq \frac{5}{-2} \quad x \leq \frac{5}{-2}$$

S 1.1

⋮

Strongly Suggest
WRITING INSTRUCTIONS.

#s 27-36 Solve. Identify as
identity, conditional, or inconsistent.

This helps your work stand on its
own.

MAKES YOUR HOMEWORK MORE
OF A LEARNING TOOL, THAN JUST
JUMPIN' THRU HOOPS FOR POINTS
You're in training for a test,
basically.