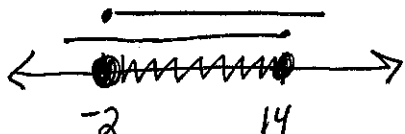


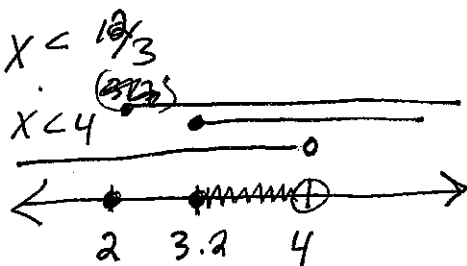
Solving Radical Inequalities

1. $\sqrt{x+2} \leq 4$ $x \neq \leq -2$ $x+2 \geq 0$
 $x+2 \leq 16$ $x \geq -2$
 $x \leq 14$ * x must be ≥ -2



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2. $\sqrt{5x-16} < \sqrt{2x-4}$ $5x-16 \geq 0$ $2x-4 \geq 0$
 $5x-16 < 2x-4$ $5x \geq 16$ $\therefore 2x \geq 4$
 $3x < 12$ $x \geq \frac{16}{5}$ $x \geq 2$
 $x < 4$ 3.2



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$$3. \quad -\sqrt{5x+13} \geq -2$$

$$\sqrt{5x+13} \leq 2$$

$$5x+13 \geq 0$$

$$5x \geq -13$$

$$x \geq -\frac{13}{5}$$

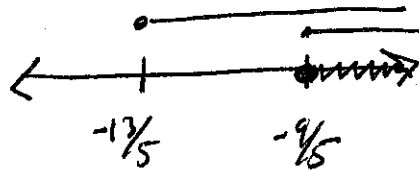
-2.6

$$5x+13 \geq 4$$

$$5x \geq -9$$

$$x \geq -\frac{9}{5}$$

-1.8



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