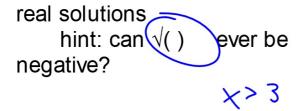
Trig 4.7

Solve radical equations Solve radical inequalities

extraneous solutions DQ



whiteboards

24. $\sqrt[4]{3t} - 2 = 0$

Good decision making:

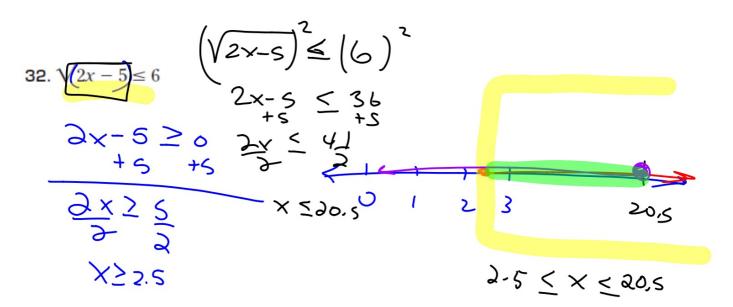
7.
$$\sqrt{6x-4} = \sqrt{2x+10}$$

8.
$$\sqrt{a+4} + \sqrt{a-3} = 7$$

$$\sqrt{\alpha+4} = 7 - \sqrt{\alpha-3}$$

of $\sqrt{\ }$ = number of rounds...

Always check solutions at end, extraneous solutions bec ()2

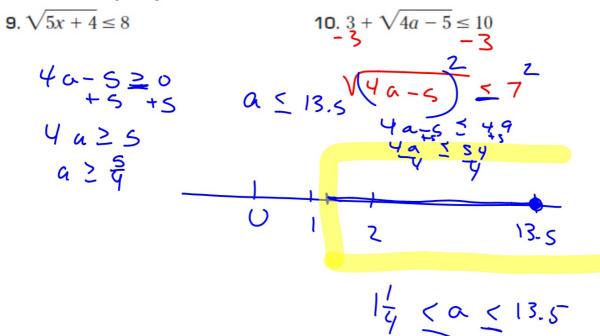


Check up front, what is needed for $\sqrt{\ }$ to be REAL? (This is your window.)

34.
$$\sqrt{m+2} \le \sqrt{3m+4}$$

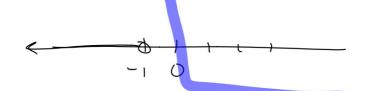
$$m+2 \ge 0$$
 $3m+4 \ge 0$ $3m \ge -4$ $m \ge -2$ $m \ge -\frac{4}{3}$ $m \ge -2$ $m \ge -\frac{4}{3}$ $m \ge -2$ $m \ge 3m+4$ $m \ge -1$ m

Solve each inequality.



4.7 WB odds +10,12

 $\sqrt{r+1}-3 \leq \sqrt{4-r}$



X <-1