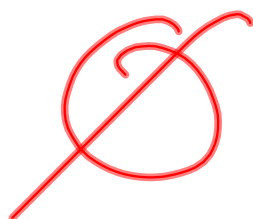


$$26. |3t - 2| + 6 = 2$$

$$\begin{array}{r} - 6 \quad - 6 \\ \hline |3t - 2| = -4 \end{array}$$



$$|2x+4| - 8 > 12$$

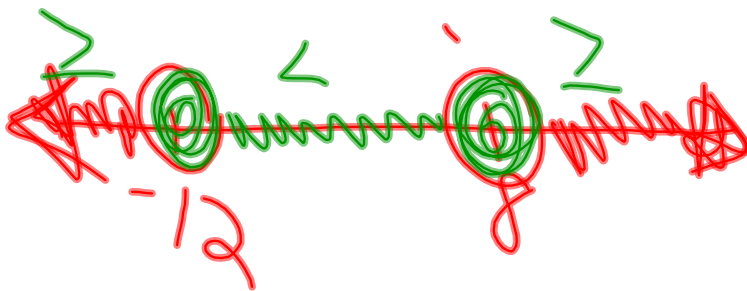
+8 +8

$$|2x+4| > 20$$

"OR" < "AND"

$$\begin{array}{r} 2x+4=20 \\ -4 \quad -4 \\ \hline 2x=16 \\ x=8 \end{array}$$

$$\begin{array}{r} 2x+4=-20 \\ -4 \quad -4 \\ \hline 2x=-24 \\ x=-12 \end{array}$$



$$77. |x + 4| = 3x$$

$$3x \quad \quad \quad -3x$$

$$\begin{array}{r} x+4 = 3x \\ -x \quad -x \\ \hline \end{array}$$

$$4 = 2x$$

$$2 = x$$

$$\text{or} \quad \begin{array}{r} x+4 = -3x \\ -x \quad -x \\ \hline \end{array}$$

$$4 = -4x$$

$$x = -1$$

extraneous solution

78. $|4t - 5| = 2t + 1$

$$\frac{4}{3} \cdot 3 = 12$$

$$79. \frac{4}{3} |2y + 3| = 4y \cdot \frac{3}{4}$$

$$|2y + 3| = 3y$$

$$3y \quad \quad \quad -3y$$

$$\begin{array}{l} \cancel{-2y} + 3 = 3y \\ \cancel{-2y} + 3 = \cancel{-2y} + 3y \end{array} \quad \text{or} \quad \begin{array}{l} 2y + 3 = \cancel{-3y} \\ \cancel{-2y} + 3 = \cancel{-2y} \end{array}$$

$$3 = 3y$$

$$\cancel{3} = \cancel{3y}$$

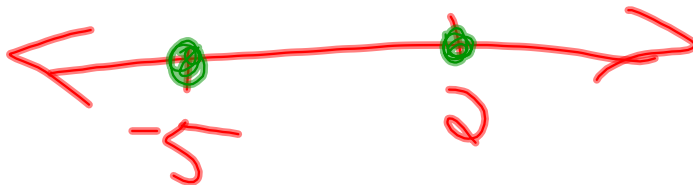
$$\begin{array}{r} |a| + 6 = 9 \\ -6 \quad -6 \\ \hline |a| = 3 \end{array}$$

$$a = 3 \text{ or } a = -3$$



$$|2x+3| = 7$$

$$\begin{array}{r} 2x+3=7 \\ -3 \quad -3 \\ \hline 2x=4 \\ \frac{2x}{2} = \frac{4}{2} \\ x=2 \end{array} \quad \text{or} \quad \begin{array}{r} 2x+3=-7 \\ -3 \quad -3 \\ \hline 2x=-10 \\ \frac{2x}{2} = \frac{-10}{2} \\ x=-5 \end{array}$$



$$|p+6| \leq 1$$

AND

$$\begin{array}{r} p+6=1 \\ -6 \quad -6 \\ \hline p=-5 \end{array}$$

$$\begin{array}{r} p+6=-1 \\ -6 \quad -6 \\ \hline p=-7 \end{array}$$



$$\frac{3|x+4|}{3} > \frac{15}{3} \quad \text{OR} \quad \frac{3|x+4|}{3}$$

$$|x+4| > 5$$

$$x+4=5$$

$$x=1$$

$$x+4=-5$$

$$x=-9$$

