

SMART START

$$-2x + 4 < 9$$

$$\begin{array}{r} -4 \quad -4 \\ \hline \end{array}$$

$$\begin{array}{r} -2x < 5 \\ \hline -2 \quad -2 \end{array}$$

$$\begin{array}{r} x > \frac{5}{-2} \end{array}$$

$$3y - 7 \leq 5y + 10$$

$$\begin{array}{r} -3y \quad -3y \\ \hline \end{array}$$

$$\begin{array}{r} -7 \leq 2y + 10 \\ -10 \quad -10 \\ \hline \end{array}$$

$$\begin{array}{r} 2y \geq -17 \\ \hline \frac{2y}{2} \geq \frac{-17}{2} \end{array}$$

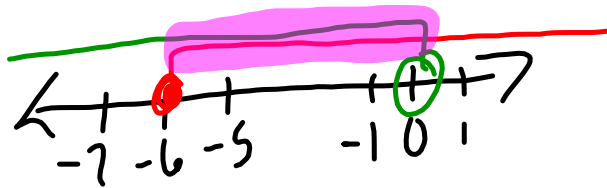
$$\begin{array}{r} 3y - 7 < 5y + 10 \\ -5y \quad -5y \quad +7 \\ \hline \end{array}$$

$$\begin{array}{r} -2y < 17 \\ -2 \quad -2 \end{array}$$

$$y \geq -\frac{17}{2}$$

$$1) \quad -3 \leq \frac{P}{2} < 0$$

$$2) \quad -3 \leq \frac{P \cdot 2}{2 \cdot 1} \quad \text{and} \quad 2 \cdot \frac{P}{1 \cdot 2} < 0 \cdot 2$$
$$-6 \leq P \quad \text{and} \quad P < 0$$



$$2) \quad -3 \leq \frac{P \cdot 2}{2} < 0 \cdot 2$$

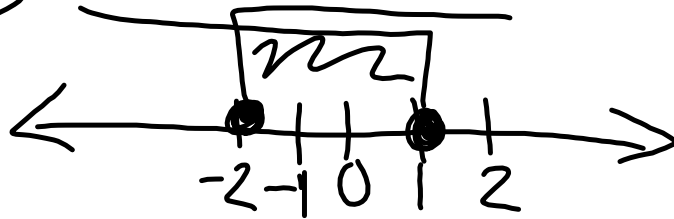
$$-6 \leq P < 0$$

$$2) \quad -4 \leq 3x + 2 \leq 5$$

$$\textcircled{1} \quad \begin{array}{r} -4 \leq 3x + 2 \\ -2 \quad -2 \end{array} \quad \text{and} \quad \textcircled{2} \quad \begin{array}{r} 3x + 2 \leq 5 \\ 2 \quad -2 \end{array}$$

$$\begin{array}{r} -6 \leq 3x \\ 3 \quad 3 \end{array} \quad \textcircled{x \leq 1} \quad \begin{array}{r} 3x \leq 3 \\ 3 \quad 3 \end{array}$$

$$\textcircled{-2 \leq x}$$



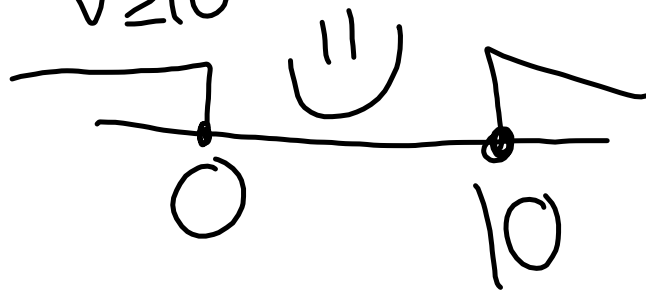
between

$$\begin{array}{r} -4 \leq 3x + 2 \leq 5 \\ -2 \quad -2 \quad -2 \\ \hline -6 \leq 3x \leq 3 \\ 3 \quad 3 \quad 3 \end{array}$$

$$-2 \leq x \leq 1$$

$$\begin{array}{r} -4 \leq -3x + 2 \leq 5 \\ -2 \quad -2 \quad -2 \\ \hline -6 \leq -3x \leq 3 \\ -3 \quad -3 \quad -3 \\ 2 \geq x \geq -1 \end{array}$$

$$3) \quad \begin{array}{l} 7v + 5 \geq 65 \text{ or } -3v + 2 \geq -2 \\ \hline 7v \geq 60 \\ \hline v \geq 10 \end{array} \quad \begin{array}{l} -3v + 2 \geq -2 \\ \hline -3v \geq -4 \\ \hline v \leq \frac{4}{3} \end{array}$$



4) I'm thinking of a number. Three more than twice my number is less than 17, but at least -1. If my number is an integer, what are the possible values of my number?

Page 342
#14-36 even
Page 344
#59-62 all

