

Solving Inequations

Nov. 21

37. $4x + 2 < 3x + 5$

$$x + 2 < 5 - 2$$

$$x < 3$$

40. $5y + 7 \leq 4y - 2$

$$y + 7 \leq -2 - 7$$

$$y \leq -9$$

50.

$$3m + 14 < 2(m + 6)$$

$$\begin{array}{r} -2m \\ 3m + 14 < 2m + 12 \end{array}$$

$$\begin{array}{r} 3m - 2m + 14 < +12 \\ 1m + 14 < +12 \end{array}$$

$$\boxed{m < -2} \rightarrow m < -3$$

53.

$$\begin{array}{r} -10 \\ 2(5 - 3b) \geq 7b + 2 \end{array}$$

$$\begin{array}{r} +10 \\ 10 - 6b \geq 7b + 2 \end{array}$$

$$\begin{array}{r} -6b \geq 7b - 8 \end{array}$$

$$\underline{b \geq -8}$$

63. Solve and Graph $\{t \in I\}$

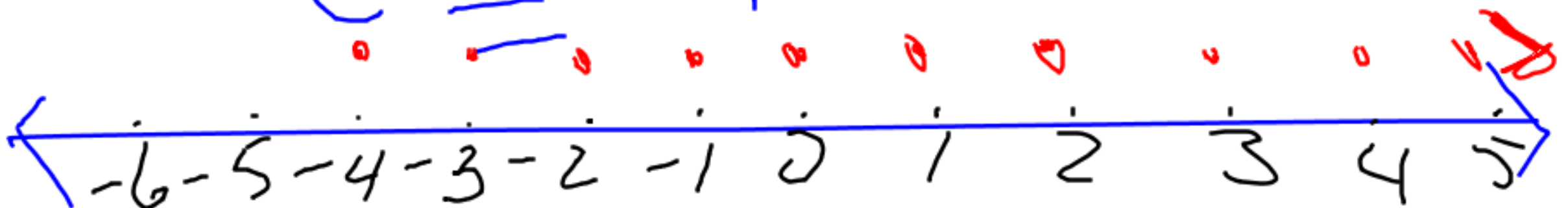
$$6t - 5 \leq 8t + 3$$

$$-2t - 5 \leq 3 + 5$$

$$-2t \leq 8$$

$$t \geq -4$$

Team



78. $x + 10 < 100 - 10$

$$x < 90$$

∴ Her highest possible mark

is 89, or 89.9.

↓
integer

↓
real number

Homework

Finish Inequations

Package you're working

on: 1-12