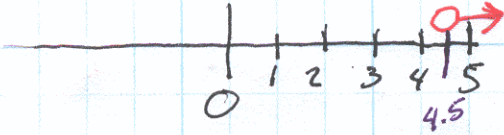
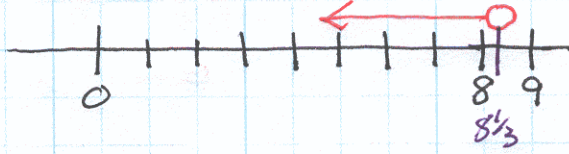


# 3-9-1 Inequalities page 2

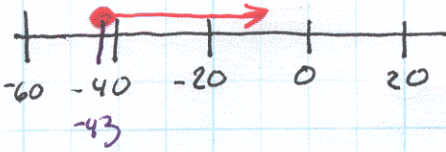
$$\begin{aligned} \textcircled{g} \quad 10y - 30 &> 15 \\ \frac{+30 \quad +30}{10y} &> \frac{45}{10} \\ y &> 4.5 \end{aligned}$$



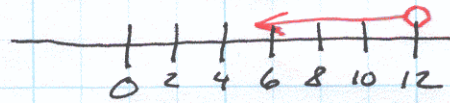
$$\begin{aligned} \textcircled{h} \quad 3(2x - 12) &< 14 \\ 6x - 36 &< 14 \\ \frac{+36 \quad +36}{6x} &< \frac{50}{6} \\ x &< 8\frac{1}{3} \end{aligned}$$



$$\begin{aligned} \textcircled{i} \quad -100 &\leq 2(w - 7) \\ -100 &\leq 2w - 14 \\ \frac{+14 \quad +14}{-86} &\leq \frac{2w}{2} \\ -43 &\leq w \end{aligned}$$



$$\begin{aligned} \textcircled{j} \quad 6x - 10 &< 3x + 26 \\ \frac{-3x \quad -3x}{3x - 10} &< \frac{26}{3} \\ \frac{+10 \quad +10}{3x} &< \frac{36}{3} \\ x &< 12 \end{aligned}$$



$$\begin{aligned} \textcircled{k} \quad 2w - 16 &> 5w + 12 \\ \frac{-2w \quad -2w}{-16} &> \frac{3w + 12}{3} \\ \frac{-12 \quad -12}{-28} &> \frac{3w}{3} \\ -9\frac{1}{3} &> w \end{aligned}$$

