

⑨  $-5 < x < 7$



⑩  $28.5 \leq x \leq 29$



⑪

$$\begin{array}{r} -4 < K+3 < 8 \\ -3 \quad \quad -3 \quad \quad -3 \\ \hline -7 < K < 5 \end{array}$$



⑫

$$\begin{array}{r} 5 \leq y+2 \leq 11 \\ -2 \quad \quad -2 \quad \quad -2 \\ \hline 3 \leq y \leq 9 \end{array}$$



⑬

$$\begin{array}{r} 3 < 4p-5 \leq 15 \\ +5 \quad \quad +5 \quad \quad +5 \\ \hline 8 < 4p \leq 20 \\ 4 \quad \quad 4 \quad \quad 4 \\ \hline 2 < p \leq 5 \end{array}$$



⑭

$$\begin{array}{r} 15 \leq \frac{20+11+K}{3} \leq 19 \\ \hline 45 \leq 31+K \leq 57 \\ -31 \quad \quad -31 \quad \quad -31 \\ \hline 14 \leq K \leq 26 \end{array}$$



⑮

$$\begin{array}{r} \frac{1}{4} < \frac{2x-7}{2} < 5 \\ +7 \quad \quad +7 \quad \quad +7 \\ \hline \frac{1}{2} < 2x-7 < 10 \\ \hline 7\frac{1}{2} < 2x < 17 \\ 2 \quad \quad 2 \quad \quad 2 \\ \hline 3\frac{3}{4} < x < 8\frac{1}{2} \end{array}$$



⑯

$$\begin{array}{r} -3 \leq \frac{6-q}{9} \leq 3 \\ \hline -27 \leq 6-q \leq 27 \\ -6 \quad \quad -6 \quad \quad -6 \\ \hline -33 \leq -q \leq 21 \\ -1 \quad \quad -1 \quad \quad -1 \\ \hline 33 \geq q \geq -21 \end{array}$$



17

$$\begin{array}{r|l} 6b-14 > -7 & +1 \quad +1 \\ \hline 6b & > -6 \\ \frac{6b}{6} & > \frac{-6}{6} \\ \hline b & > -1 \end{array}$$

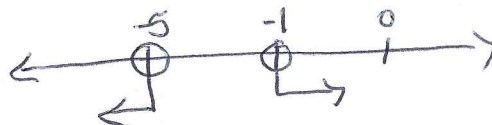
$$\begin{array}{r|l} 2b+1 > 5 & -1 \quad -1 \\ \hline 2b & > 4 \\ \frac{2b}{2} & > \frac{4}{2} \\ \hline b & > 2 \end{array}$$



18

$$\begin{array}{r|l} 5+m > 4 & -5 \quad -5 \\ \hline m & > -1 \end{array}$$

$$\begin{array}{r|l} 7m < -35 & \frac{-35}{7} \\ \hline m & < -5 \end{array}$$



19

$$\begin{array}{r|l} 4d+5 \geq 13 & -5 \quad -5 \\ \hline 4d & \geq 8 \\ \frac{4d}{4} & \geq \frac{8}{4} \\ \hline d & \geq 2 \end{array}$$

$$\begin{array}{r|l} 7d-2 < 12 & +2 \quad +2 \\ \hline 7d & < 14 \\ \frac{7d}{7} & < \frac{14}{7} \\ \hline d & < 2 \end{array}$$



20

$$\begin{array}{r|l} 7-c < 1 & -7 \quad -7 \\ \hline -c & < -6 \\ \frac{-c}{-1} & < \frac{-6}{-1} \\ \hline c & > 6 \end{array}$$

$$\begin{array}{r|l} 4c \neq 12 & \frac{12}{4} \\ \hline c & \neq 3 \end{array}$$



21

$$\begin{array}{r|l} 5y+7 \leq -3 & -7 \quad -7 \\ \hline 5y & \leq -10 \\ \frac{5y}{5} & \leq \frac{-10}{5} \\ \hline y & \leq -2 \end{array}$$

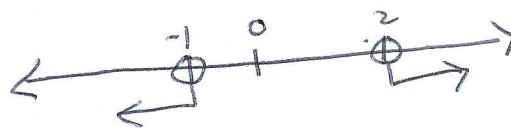
$$\begin{array}{r|l} 3y-2 \geq 13 & +2 \quad +2 \\ \hline 3y & \geq 15 \\ \frac{3y}{3} & \geq \frac{15}{3} \\ \hline y & \geq 5 \end{array}$$



22

$$\begin{array}{r|l} 5z-3 > 7 & +3 \quad +3 \\ \hline 5z & > 10 \\ \frac{5z}{5} & > \frac{10}{5} \\ \hline z & > 2 \end{array}$$

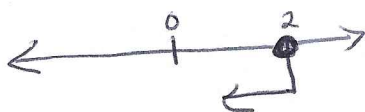
$$\begin{array}{r|l} 4z-6 < -10 & +6 \quad +6 \\ \hline 4z & < -4 \\ \frac{4z}{4} & < \frac{-4}{4} \\ \hline z & < -1 \end{array}$$



23

$$(-\infty, 2]$$

$$x \leq 2$$



24

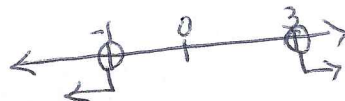
$$[-4, 5]$$

$$-4 \leq x \leq 5$$



25  $(-\infty, -1]$  or  $(3, \infty)$

$$x \leq -1 \text{ or } x > 3$$



26

$$[6, \infty)$$

$$x \geq 6$$



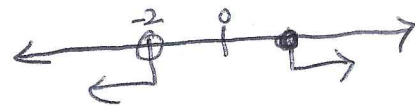
27)  $x > -2$   
 $(-2, \infty)$



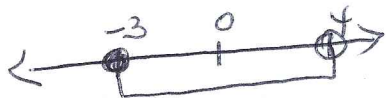
28)  $x \leq 0$   
 $(-\infty, 0]$



29)  $x < -2$  or  $x \geq 1$   
 $(-\infty, -2)$  or  $[1, \infty)$



30)  $-3 \leq x < 4$   
 $[-3, 4)$



31) 
$$\begin{array}{r} 7 < x + 6 < 12 \\ -6 & -6 & -6 \\ \hline 1 < x < 6 \end{array}$$
  
 $(1, 6]$

32) 
$$\begin{array}{r} -9 < 3m + 6 < 18 \\ -6 & -6 & -6 \\ \hline -15 < 3m < 12 \\ \frac{-15}{3} & \frac{3m}{3} & \frac{12}{3} \\ \hline -5 < m < 4 \end{array}$$

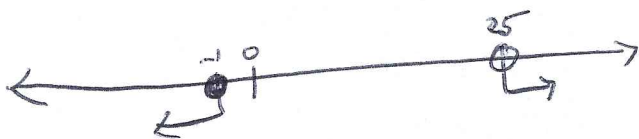
33) 
$$\begin{array}{r} f + 14 < 9 \text{ or } -9f < -45 \\ -14 & -14 \\ \hline f < -5 \end{array}$$

$$\begin{array}{r} -9f < -45 \\ -9 & -9 \\ \hline f > 5 \end{array}$$



34) 
$$\begin{array}{r} 12h - 3 > 15h \\ -12h & -12h \\ \hline -3 > 3h \\ \frac{-3}{3} & \frac{3h}{3} \\ \hline -1 > h \end{array}$$

$$\begin{array}{r} 5 > -0.2h + 10 \\ -10 & -10 \\ \hline -5 > -0.2h \\ \frac{-5}{-0.2} & \frac{-0.2h}{-0.2} \\ \hline 25 < h \end{array}$$



35)  $-3 < x < 4$

36)  $x < -2$  or  $x \geq 1$

37)  $3 \leq x < 6$