

①7  $|r-8|=5$

$$\begin{array}{r|l} r-8 & 5 \\ +8 & +8 \\ \hline r & = 13 \end{array} \quad \begin{array}{r|l} r-8 & -5 \\ +8 & +8 \\ \hline r & = 3 \end{array}$$

①8  $|c+4|=6$

$$\begin{array}{r|l} c+4 & 6 \\ -4 & -4 \\ \hline c & = 2 \end{array} \quad \begin{array}{r|l} c+4 & -6 \\ -4 & -4 \\ \hline c & = -10 \end{array}$$

①9  $2=|g+3|$

$$\begin{array}{r|l} 2 & g+3 \\ -3 & -3 \\ \hline -1 & g \end{array} \quad \begin{array}{r|l} -2 & g+3 \\ -3 & -3 \\ \hline -5 & g \end{array}$$

②0  $3=|m+2|$

$$\begin{array}{r|l} 3 & m+2 \\ -2 & -2 \\ \hline 1 & m \end{array} \quad \begin{array}{r|l} -3 & m+2 \\ -2 & -2 \\ \hline -5 & m \end{array}$$

②1  $-2|7d| = \frac{14}{-2}$   
 $|7d| = -7$   
 no solution

②2  $\frac{-3|2w|}{-3} = \frac{-12}{-3}$   
 $|2w| = 4$

$$\begin{array}{r|l} 2w & 4 \\ 2 & 2 \\ \hline w & = 2 \end{array} \quad \begin{array}{r|l} 2w & -4 \\ 2 & -2 \\ \hline w & = -2 \end{array}$$

②3  $\frac{3|v-3|}{3} = \frac{9}{3}$   
 $|v-3| = 3$

$$\begin{array}{r|l} v-3 & 3 \\ +3 & +3 \\ \hline v & = 6 \end{array} \quad \begin{array}{r|l} v-3 & -3 \\ +3 & +3 \\ \hline v & = 0 \end{array}$$

②4  $\frac{2|d+4|}{2} = \frac{8}{2}$   
 $|d+4| = 4$

$$\begin{array}{r|l} d+4 & 4 \\ -4 & -4 \\ \hline d & = 0 \end{array} \quad \begin{array}{r|l} d+4 & -4 \\ -4 & -4 \\ \hline d & = -8 \end{array}$$

②5  $\frac{|4f+1| - 2}{12} = \frac{5}{12}$   
 $|4f+1| = 7$

$$\begin{array}{r|l} 4f+1 & 7 \\ -1 & -1 \\ \hline 4f & = 6 \\ 4 & 4 \\ \hline f & = \frac{3}{2} \end{array} \quad \begin{array}{r|l} 4f+1 & -7 \\ -1 & -1 \\ \hline 4f & = -8 \\ 4 & 4 \\ \hline f & = -2 \end{array}$$

②6  $\frac{|3t-2| + 6}{-6} = \frac{2}{-6}$   
 $|3t-2| = -4$

no solution

$$\begin{array}{r|l} 4|2y-3|-1 & \neq 11 \\ +1 & +1 \\ \hline 4|2y-3| & \neq 12 \\ \hline 4 & 4 \\ \hline |2y-3| & = 3 \end{array}$$

$$\begin{array}{r|l} 2y-3 & = 3 \\ +3 & +3 \\ \hline 2y & = 6 \\ \hline \frac{2y}{2} & = \frac{6}{2} \\ \hline y & = 3 \end{array}$$

$$\begin{array}{r|l} 2y-3 & \neq -3 \\ +3 & +3 \\ \hline 2y & \neq 0 \\ \hline \frac{2y}{2} & \neq \frac{0}{2} \\ \hline y & \neq 0 \end{array}$$

$$\begin{array}{r|l} 3|x+2|+4 & \neq 13 \\ -4 & -4 \\ \hline 3|x+2| & \neq 9 \\ \hline 3 & 3 \\ \hline |x+2| & = 3 \end{array}$$

$$\begin{array}{r|l} x+2 & \neq 3 \\ -2 & -2 \\ \hline x & \neq 1 \end{array}$$

$$\begin{array}{r|l} x+2 & \neq -3 \\ -2 & -2 \\ \hline x & \neq -5 \end{array}$$

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

NO SOLUTION

$$\begin{array}{r|l} |-3n|-2 & \neq 4 \\ +2 & +2 \\ \hline |-3n| & \neq 6 \end{array}$$

$$\begin{array}{r|l} -3n & \neq 6 \\ -3 & -3 \\ \hline n & \neq -2 \end{array}$$

$$\begin{array}{r|l} -3n & \neq -6 \\ -3 & -3 \\ \hline n & \neq 2 \end{array}$$

$$\begin{array}{r|l} -4|k+1| & \neq 16 \\ -4 & -4 \\ \hline |k+1| & \neq -4 \end{array}$$

no solution