

Name: _____

Date: _____

1-step backtracking: Answers

(1)

$$\begin{array}{c}
 \xrightarrow{-1} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 8 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 1 \\ \hline = \\ \hline 7 \\ \hline \end{array} \\
 \xleftarrow{+1}
 \end{array}$$

(6)

$$\begin{array}{c}
 \xrightarrow{-3} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 9 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 3 \\ \hline = \\ \hline 6 \\ \hline \end{array} \\
 \xleftarrow{+3}
 \end{array}$$

(2)

$$\begin{array}{c}
 \xrightarrow{-1} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 10 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 1 \\ \hline = \\ \hline 9 \\ \hline \end{array} \\
 \xleftarrow{+1}
 \end{array}$$

(7)

$$\begin{array}{c}
 \xrightarrow{-4} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 5 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 4 \\ \hline = \\ \hline 1 \\ \hline \end{array} \\
 \xleftarrow{+4}
 \end{array}$$

(3)

$$\begin{array}{c}
 \xrightarrow{-5} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 11 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 5 \\ \hline = \\ \hline 6 \\ \hline \end{array} \\
 \xleftarrow{+5}
 \end{array}$$

(8)

$$\begin{array}{c}
 \xrightarrow{-4} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 9 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 4 \\ \hline = \\ \hline 5 \\ \hline \end{array} \\
 \xleftarrow{+4}
 \end{array}$$

(4)

$$\begin{array}{c}
 \xrightarrow{-7} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 15 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 7 \\ \hline = \\ \hline 8 \\ \hline \end{array} \\
 \xleftarrow{+7}
 \end{array}$$

(9)

$$\begin{array}{c}
 \xrightarrow{-10} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 12 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 10 \\ \hline = \\ \hline 2 \\ \hline \end{array} \\
 \xleftarrow{+10}
 \end{array}$$

(5)

$$\begin{array}{c}
 \xrightarrow{-9} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 17 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 9 \\ \hline = \\ \hline 8 \\ \hline \end{array} \\
 \xleftarrow{+9}
 \end{array}$$

(10)

$$\begin{array}{c}
 \xrightarrow{-6} \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 14 \\ \hline \end{array}
 \quad
 \begin{array}{|c|} \hline x - 6 \\ \hline = \\ \hline 8 \\ \hline \end{array} \\
 \xleftarrow{+6}
 \end{array}$$