

Name: \_\_\_\_\_

Date: \_\_\_\_\_

2-step backtracking: Questions

(1)

$x$

=

$+5$

$\rightarrow$

=

$\times 5$

$\rightarrow$

=

35

$\leftarrow$

$\leftarrow$

(6)

$x$

=

$+1$

$\rightarrow$

=

$\times 8$

$\rightarrow$

=

80

$\leftarrow$

$\leftarrow$

(2)

$x$

=

$+2$

$\rightarrow$

=

$\times 4$

$\rightarrow$

=

44

$\leftarrow$

$\leftarrow$

(7)

$x$

=

$+7$

$\rightarrow$

=

$\times 8$

$\rightarrow$

=

120

$\leftarrow$

$\leftarrow$

(3)

$x$

=

$+10$

$\rightarrow$

=

$\times 4$

$\rightarrow$

=

68

$\leftarrow$

$\leftarrow$

(8)

$x$

=

$+2$

$\rightarrow$

=

$\times 6$

$\rightarrow$

=

30

$\leftarrow$

$\leftarrow$

(4)

$x$

=

$+9$

$\rightarrow$

=

$\times 10$

$\rightarrow$

=

140

$\leftarrow$

$\leftarrow$

(9)

$x$

=

$+6$

$\rightarrow$

=

$\times 10$

$\rightarrow$

=

80

$\leftarrow$

$\leftarrow$

(5)

$x$

=

$+5$

$\rightarrow$

=

$\times 5$

$\rightarrow$

=

60

$\leftarrow$

$\leftarrow$

(10)

$x$

=

$+6$

$\rightarrow$

=

$\times 10$

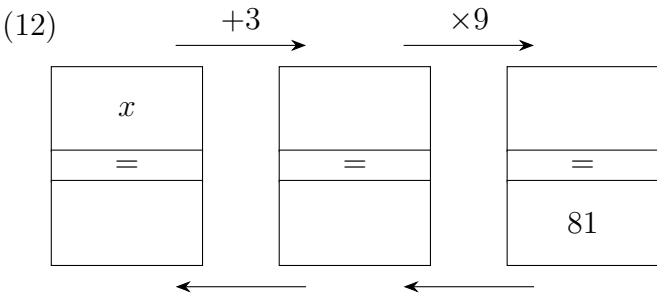
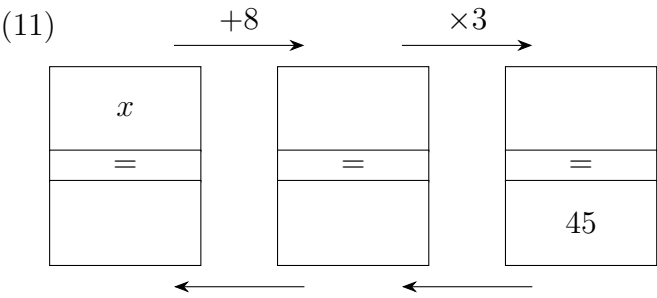
$\rightarrow$

=

70

$\leftarrow$

$\leftarrow$



Name: \_\_\_\_\_

Date: \_\_\_\_\_

2-step backtracking: Answers

(1)

$x$
=
2

 $\xrightarrow{+5}$ 

$x + 5$
=
7

 $\xrightarrow{\times 5}$ 

$5(x + 5)$
=
35

$\xleftarrow{-5} \quad \xleftarrow{\div 5}$

(6)

$x$
=
9

 $\xrightarrow{+1}$ 

$x + 1$
=
10

 $\xrightarrow{\times 8}$ 

$8(x + 1)$
=
80

$\xleftarrow{-1} \quad \xleftarrow{\div 8}$

(2)

$x$
=
9

 $\xrightarrow{+2}$ 

$x + 2$
=
11

 $\xrightarrow{\times 4}$ 

$4(x + 2)$
=
44

$\xleftarrow{-2} \quad \xleftarrow{\div 4}$

(7)

$x$
=
8

 $\xrightarrow{+7}$ 

$x + 7$
=
15

 $\xrightarrow{\times 8}$ 

$8(x + 7)$
=
120

$\xleftarrow{-7} \quad \xleftarrow{\div 8}$

(3)

$x$
=
7

 $\xrightarrow{+10}$ 

$x + 10$
=
17

 $\xrightarrow{\times 4}$ 

$4(x + 10)$
=
68

$\xleftarrow{-10} \quad \xleftarrow{\div 4}$

(8)

$x$
=
3

 $\xrightarrow{+2}$ 

$x + 2$
=
5

 $\xrightarrow{\times 6}$ 

$6(x + 2)$
=
30

$\xleftarrow{-2} \quad \xleftarrow{\div 6}$

(4)

$x$
=
5

 $\xrightarrow{+9}$ 

$x + 9$
=
14

 $\xrightarrow{\times 10}$ 

$10(x + 9)$
=
140

$\xleftarrow{-9} \quad \xleftarrow{\div 10}$

(9)

$x$
=
2

 $\xrightarrow{+6}$ 

$x + 6$
=
8

 $\xrightarrow{\times 10}$ 

$10(x + 6)$
=
80

$\xleftarrow{-6} \quad \xleftarrow{\div 10}$

(5)

$x$
=
7

 $\xrightarrow{+5}$ 

$x + 5$
=
12

 $\xrightarrow{\times 5}$ 

$5(x + 5)$
=
60

$\xleftarrow{-5} \quad \xleftarrow{\div 5}$

(10)

$x$
=
1

 $\xrightarrow{+6}$ 

$x + 6$
=
7

 $\xrightarrow{\times 10}$ 

$10(x + 6)$
=
70

$\xleftarrow{-6} \quad \xleftarrow{\div 10}$

