

Name: _____

Date: _____

2-step backtracking: Answers

(1)

x
=
2

 $\xrightarrow{+5}$

$x + 5$
=
7

 $\xrightarrow{\times 5}$

$5(x + 5)$
=
35

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

(6)

x
=
9

 $\xrightarrow{+1}$

$x + 1$
=
10

 $\xrightarrow{\times 8}$

$8(x + 1)$
=
80

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

(2)

x
=
9

 $\xrightarrow{+2}$

$x + 2$
=
11

 $\xrightarrow{\times 4}$

$4(x + 2)$
=
44

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

(7)

x
=
8

 $\xrightarrow{+7}$

$x + 7$
=
15

 $\xrightarrow{\times 8}$

$8(x + 7)$
=
120

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

(3)

x
=
7

 $\xrightarrow{+10}$

$x + 10$
=
17

 $\xrightarrow{\times 4}$

$4(x + 10)$
=
68

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

(8)

x
=
3

 $\xrightarrow{+2}$

$x + 2$
=
5

 $\xrightarrow{\times 6}$

$6(x + 2)$
=
30

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

(4)

x
=
5

 $\xrightarrow{+9}$

$x + 9$
=
14

 $\xrightarrow{\times 10}$

$10(x + 9)$
=
140

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

(9)

x
=
2

 $\xrightarrow{+6}$

$x + 6$
=
8

 $\xrightarrow{\times 10}$

$10(x + 6)$
=
80

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

(5)

x
=
7

 $\xrightarrow{+5}$

$x + 5$
=
12

 $\xrightarrow{\times 5}$

$5(x + 5)$
=
60

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

(10)

x
=
1

 $\xrightarrow{+6}$

$x + 6$
=
7

 $\xrightarrow{\times 10}$

$10(x + 6)$
=
70

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

