

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

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

2-step backtracking: Answers

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(1)

$x$
=
42

 $\xrightarrow{-2}$ 

$x - 2$
=
40

 $\xrightarrow{\div 4}$ 

$\frac{(x-2)}{4}$
=
10

$\xleftarrow{+2}$        $\xleftarrow{\times 4}$

(6)

$x$
=
29

 $\xrightarrow{-5}$ 

$x - 5$
=
24

 $\xrightarrow{\div 6}$ 

$\frac{(x-5)}{6}$
=
4

$\xleftarrow{+5}$        $\xleftarrow{\times 6}$

(2)

$x$
=
38

 $\xrightarrow{-8}$ 

$x - 8$
=
30

 $\xrightarrow{\div 5}$ 

$\frac{(x-8)}{5}$
=
6

$\xleftarrow{+8}$        $\xleftarrow{\times 5}$

(7)

$x$
=
6

 $\xrightarrow{-2}$ 

$x - 2$
=
4

 $\xrightarrow{\div 1}$ 

$\frac{(x-2)}{1}$
=
4

$\xleftarrow{+2}$        $\xleftarrow{\times 1}$

(3)

$x$
=
17

 $\xrightarrow{-9}$ 

$x - 9$
=
8

 $\xrightarrow{\div 8}$ 

$\frac{(x-9)}{8}$
=
1

$\xleftarrow{+9}$        $\xleftarrow{\times 8}$

(8)

$x$
=
44

 $\xrightarrow{-2}$ 

$x - 2$
=
42

 $\xrightarrow{\div 6}$ 

$\frac{(x-2)}{6}$
=
7

$\xleftarrow{+2}$        $\xleftarrow{\times 6}$

(4)

$x$
=
22

 $\xrightarrow{-4}$ 

$x - 4$
=
18

 $\xrightarrow{\div 3}$ 

$\frac{(x-4)}{3}$
=
6

$\xleftarrow{+4}$        $\xleftarrow{\times 3}$

(9)

$x$
=
58

 $\xrightarrow{-4}$ 

$x - 4$
=
54

 $\xrightarrow{\div 9}$ 

$\frac{(x-4)}{9}$
=
6

$\xleftarrow{+4}$        $\xleftarrow{\times 9}$

(5)

$x$
=
69

 $\xrightarrow{-6}$ 

$x - 6$
=
63

 $\xrightarrow{\div 9}$ 

$\frac{(x-6)}{9}$
=
7

$\xleftarrow{+6}$        $\xleftarrow{\times 9}$

(10)

$x$
=
59

 $\xrightarrow{-5}$ 

$x - 5$
=
54

 $\xrightarrow{\div 6}$ 

$\frac{(x-5)}{6}$
=
9

$\xleftarrow{+5}$        $\xleftarrow{\times 6}$