

Name: _____

Date: _____

2-step backtracking: Answers

(1)

x
=
10

 $\xrightarrow{+10}$

$x + 10$
=
20

 $\xrightarrow{\times 8}$

$8(x + 10)$
=
160

$\xleftarrow{-10}$ $\xleftarrow{\div 8}$

(6)

x
=
1

 $\xrightarrow{+10}$

$x + 10$
=
11

 $\xrightarrow{\times 8}$

$8(x + 10)$
=
88

$\xleftarrow{-10}$ $\xleftarrow{\div 8}$

(2)

x
=
10

 $\xrightarrow{+4}$

$x + 4$
=
14

 $\xrightarrow{\times 8}$

$8(x + 4)$
=
112

$\xleftarrow{-4}$ $\xleftarrow{\div 8}$

(7)

x
=
10

 $\xrightarrow{+3}$

$x + 3$
=
13

 $\xrightarrow{\times 2}$

$2(x + 3)$
=
26

$\xleftarrow{-3}$ $\xleftarrow{\div 2}$

(3)

x
=
4

 $\xrightarrow{+1}$

$x + 1$
=
5

 $\xrightarrow{\times 8}$

$8(x + 1)$
=
40

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

(8)

x
=
9

 $\xrightarrow{+4}$

$x + 4$
=
13

 $\xrightarrow{\times 2}$

$2(x + 4)$
=
26

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

(4)

x
=
4

 $\xrightarrow{+9}$

$x + 9$
=
13

 $\xrightarrow{\times 5}$

$5(x + 9)$
=
65

$\xleftarrow{-9}$ $\xleftarrow{\div 5}$

(9)

x
=
6

 $\xrightarrow{+8}$

$x + 8$
=
14

 $\xrightarrow{\times 9}$

$9(x + 8)$
=
126

$\xleftarrow{-8}$ $\xleftarrow{\div 9}$

(5)

x
=
7

 $\xrightarrow{+2}$

$x + 2$
=
9

 $\xrightarrow{\times 5}$

$5(x + 2)$
=
45

$\xleftarrow{-2}$ $\xleftarrow{\div 5}$

(10)

x
=
8

 $\xrightarrow{+9}$

$x + 9$
=
17

 $\xrightarrow{\times 8}$

$8(x + 9)$
=
136

$\xleftarrow{-9}$ $\xleftarrow{\div 8}$