

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

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

## 2-step backtracking: Answers

(1)

$x$	$\xrightarrow{\times 7}$	$7x$	$\xrightarrow{+2}$	$7x + 2$
=		=		=
8		56		58
	$\xleftarrow{\div 7}$		$\xleftarrow{-2}$	

(6)

$x$	$\xrightarrow{\times 7}$	$7x$	$\xrightarrow{+10}$	$7x + 10$
=		=		=
7		49		59
	$\xleftarrow{\div 7}$		$\xleftarrow{-10}$	

(2)

$x$	$\xrightarrow{\times 9}$	$9x$	$\xrightarrow{+2}$	$9x + 2$
=		=		=
4		36		38
	$\xleftarrow{\div 9}$		$\xleftarrow{-2}$	

(7)

$x$	$\xrightarrow{\times 7}$	$7x$	$\xrightarrow{+5}$	$7x + 5$
=		=		=
10		70		75
	$\xleftarrow{\div 7}$		$\xleftarrow{-5}$	

(3)

$x$	$\xrightarrow{\times 9}$	$9x$	$\xrightarrow{+8}$	$9x + 8$
=		=		=
10		90		98
	$\xleftarrow{\div 9}$		$\xleftarrow{-8}$	

(8)

$x$	$\xrightarrow{\times 6}$	$6x$	$\xrightarrow{+6}$	$6x + 6$
=		=		=
8		48		54
	$\xleftarrow{\div 6}$		$\xleftarrow{-6}$	

(4)

$x$	$\xrightarrow{\times 6}$	$6x$	$\xrightarrow{+10}$	$6x + 10$
=		=		=
8		48		58
	$\xleftarrow{\div 6}$		$\xleftarrow{-10}$	

(9)

$x$	$\xrightarrow{\times 3}$	$3x$	$\xrightarrow{+6}$	$3x + 6$
=		=		=
9		27		33
	$\xleftarrow{\div 3}$		$\xleftarrow{-6}$	

(5)

$x$	$\xrightarrow{\times 8}$	$8x$	$\xrightarrow{+3}$	$8x + 3$
=		=		=
7		56		59
	$\xleftarrow{\div 8}$		$\xleftarrow{-3}$	

(10)

$x$	$\xrightarrow{\times 9}$	$9x$	$\xrightarrow{+2}$	$9x + 2$
=		=		=
5		45		47
	$\xleftarrow{\div 9}$		$\xleftarrow{-2}$	