

Name: _____

Date: _____

2-step backtracking: Answers

(1)

x	$\xrightarrow{\times 6}$	$6x$	$\xrightarrow{+2}$	$6x + 2$
=		=		=
9		54		56
	$\xleftarrow{\div 6}$		$\xleftarrow{-2}$	

(6)

x	$\xrightarrow{+2}$	$x + 2$	$\xrightarrow{\times 1}$	$1(x + 2)$
=		=		=
9		11		11
	$\xleftarrow{-2}$		$\xleftarrow{\div 1}$	

(2)

x	$\xrightarrow{+6}$	$x + 6$	$\xrightarrow{\times 10}$	$10(x + 6)$
=		=		=
2		8		80
	$\xleftarrow{-6}$		$\xleftarrow{\div 10}$	

(7)

x	$\xrightarrow{\times 2}$	$2x$	$\xrightarrow{-8}$	$2x - 8$
=		=		=
4		8		0
	$\xleftarrow{\div 2}$		$\xleftarrow{+8}$	

(3)

x	$\xrightarrow{+7}$	$x + 7$	$\xrightarrow{\div 8}$	$\frac{(x+7)}{8}$
=		=		=
9		16		2
	$\xleftarrow{-7}$		$\xleftarrow{\times 8}$	

(8)

x	$\xrightarrow{-8}$	$x - 8$	$\xrightarrow{\div 3}$	$\frac{(x-8)}{3}$
=		=		=
23		15		5
	$\xleftarrow{+8}$		$\xleftarrow{\times 3}$	

(4)

x	$\xrightarrow{-8}$	$x - 8$	$\xrightarrow{\times 3}$	$3(x - 8)$
=		=		=
16		8		24
	$\xleftarrow{+8}$		$\xleftarrow{\div 3}$	

(9)

x	$\xrightarrow{\div 8}$	$\frac{x}{8}$	$\xrightarrow{-2}$	$\frac{x}{8} - 2$
=		=		=
96		12		10
	$\xleftarrow{\times 8}$		$\xleftarrow{+2}$	

(5)

x	$\xrightarrow{-9}$	$x - 9$	$\xrightarrow{\div 6}$	$\frac{(x-9)}{6}$
=		=		=
69		60		10
	$\xleftarrow{+9}$		$\xleftarrow{\times 6}$	

(10)

x	$\xrightarrow{-7}$	$x - 7$	$\xrightarrow{\times 7}$	$7(x - 7)$
=		=		=
16		9		63
	$\xleftarrow{+7}$		$\xleftarrow{\div 7}$	