(1)

$$3(x+6)$$
$$=$$
$$48$$

(6)

$$\frac{x}{3} - 10$$
$$=$$
$$9$$

(2)

$$\frac{x}{2} + 8$$
$$=$$
$$17$$

(7)

$$\frac{x}{5} - 2$$
$$=$$
$$8$$

(3)

$$\frac{(x+3)}{1}$$
$$=$$
$$5$$

(8)

$$10(x-5)$$
$$=$$
$$70$$

(4)

$$2x + 3$$
$$=$$
$$15$$

(9)

$$10x - 8$$
$$=$$
$$52$$

(5)

$$9x + 2$$
$$=$$
$$92$$

(10)

$$6x + 8$$
$$=$$
$$50$$

Build from equation: Answers

(1)

$$\xrightarrow{+6}\qquad\xrightarrow{\times 3}$$

x		$x+6$		$3(x+6)$
=		=		=
10		16		48

$$\xleftarrow{-6}\qquad\xleftarrow{\div 3}$$

(2)

$$\xrightarrow{\div 2}\qquad\xrightarrow{+8}$$

x		$\frac{x}{2}$		$\frac{x}{2}+8$
=		=		=
18		9		17

$$\xleftarrow{\times 2}\qquad\xleftarrow{-8}$$

(3)

$$\xrightarrow{+3}\qquad\xrightarrow{\div 1}$$

x		$x+3$		$\frac{(x+3)}{1}$
=		=		=
2		5		5

$$\xleftarrow{-3}\qquad\xleftarrow{\times 1}$$

(4)

$$\xrightarrow{\times 2}\qquad\xrightarrow{+3}$$

x		$2x$		$2x+3$
=		=		=
6		12		15

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

(5)

$$\xrightarrow{\times 9}\qquad\xrightarrow{+2}$$

x		$9x$		$9x+2$
=		=		=
10		90		92

$$\xleftarrow{\div 9}\qquad\xleftarrow{-2}$$

(6)

$$\xrightarrow{\div 3}\qquad\xrightarrow{-10}$$

x		$\frac{x}{3}$		$\frac{x}{3}-10$
=		=		=
57		19		9

$$\xleftarrow{\times 3}\qquad\xleftarrow{+10}$$

(7)

$$\xrightarrow{\div 5}\qquad\xrightarrow{-2}$$

x		$\frac{x}{5}$		$\frac{x}{5}-2$
=		=		=
50		10		8

$$\xleftarrow{\times 5}\qquad\xleftarrow{+2}$$

(8)

$$\xrightarrow{-5}\qquad\xrightarrow{\times 10}$$

x		$x-5$		$10(x-5)$
=		=		=
12		7		70

$$\xleftarrow{+5}\qquad\xleftarrow{\div 10}$$

(9)

$$\xrightarrow{\times 10}\qquad\xrightarrow{-8}$$

x		$10x$		$10x-8$
=		=		=
6		60		52

$$\xleftarrow{\div 10}\qquad\xleftarrow{+8}$$

(10)

$$\xrightarrow{\times 6}\qquad\xrightarrow{+8}$$

x		$6x$		$6x+8$
=		=		=
7		42		50

$$\xleftarrow{\div 6}\qquad\xleftarrow{-8}$$

1