

Name: _____

Date: _____

Build from expression: Questions

(1)

$1(x + 10)$

(8)

$4(x + 8)$

(2)

$\frac{(x+3)}{8}$

(9)

$4x - 3$

(3)

$3x + 4$

(10)

$\frac{(x-8)}{10}$

(4)

$\frac{x}{8} - 6$

(11)

$\frac{(x+1)}{10}$

(5)

$\frac{(x+5)}{7}$

(12)

$\frac{(x+3)}{3}$

(6)

$\frac{(x-10)}{3}$

(13)

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

(7)

$7(x - 3)$

(14)

$\frac{x}{3} + 5$

Name: _____

Date: _____

Build from expression: Answers

(1)

$$\begin{array}{ccccc}
 & \xrightarrow{+10} & & \xrightarrow{\times 1} & \\
 \boxed{x} & & \boxed{x+10} & & \boxed{1(x+10)} \\
 & \xleftarrow{-10} & & \xleftarrow{\div 1} &
 \end{array}$$

(8)

$$\begin{array}{ccccc}
 & \xrightarrow{+8} & & \xrightarrow{\times 4} & \\
 \boxed{x} & & \boxed{x+8} & & \boxed{4(x+8)} \\
 & \xleftarrow{-8} & & \xleftarrow{\div 4} &
 \end{array}$$

(2)

$$\begin{array}{ccccc}
 & \xrightarrow{+3} & & \xrightarrow{\div 8} & \\
 \boxed{x} & & \boxed{x+3} & & \boxed{\frac{(x+3)}{8}} \\
 & \xleftarrow{-3} & & \xleftarrow{\times 8} &
 \end{array}$$

(9)

$$\begin{array}{ccccc}
 & \xrightarrow{\times 4} & & \xrightarrow{-3} & \\
 \boxed{x} & & \boxed{4x} & & \boxed{4x-3} \\
 & \xleftarrow{\div 4} & & \xleftarrow{+3} &
 \end{array}$$

(3)

$$\begin{array}{ccccc}
 & \xrightarrow{\times 3} & & \xrightarrow{+4} & \\
 \boxed{x} & & \boxed{3x} & & \boxed{3x+4} \\
 & \xleftarrow{\div 3} & & \xleftarrow{-4} &
 \end{array}$$

(10)

$$\begin{array}{ccccc}
 & \xrightarrow{-8} & & \xrightarrow{\div 10} & \\
 \boxed{x} & & \boxed{x-8} & & \boxed{\frac{(x-8)}{10}} \\
 & \xleftarrow{+8} & & \xleftarrow{\times 10} &
 \end{array}$$

(4)

$$\begin{array}{ccccc}
 & \xrightarrow{\div 8} & & \xrightarrow{-6} & \\
 \boxed{x} & & \boxed{\frac{x}{8}} & & \boxed{\frac{x}{8}-6} \\
 & \xleftarrow{\times 8} & & \xleftarrow{+6} &
 \end{array}$$

(11)

$$\begin{array}{ccccc}
 & \xrightarrow{+1} & & \xrightarrow{\div 10} & \\
 \boxed{x} & & \boxed{x+1} & & \boxed{\frac{(x+1)}{10}} \\
 & \xleftarrow{-1} & & \xleftarrow{\times 10} &
 \end{array}$$

(5)

$$\begin{array}{ccccc}
 & \xrightarrow{+5} & & \xrightarrow{\div 7} & \\
 \boxed{x} & & \boxed{x+5} & & \boxed{\frac{(x+5)}{7}} \\
 & \xleftarrow{-5} & & \xleftarrow{\times 7} &
 \end{array}$$

(12)

$$\begin{array}{ccccc}
 & \xrightarrow{+3} & & \xrightarrow{\div 3} & \\
 \boxed{x} & & \boxed{x+3} & & \boxed{\frac{(x+3)}{3}} \\
 & \xleftarrow{-3} & & \xleftarrow{\times 3} &
 \end{array}$$

(6)

$$\begin{array}{ccccc}
 & \xrightarrow{-10} & & \xrightarrow{\div 3} & \\
 \boxed{x} & & \boxed{x-10} & & \boxed{\frac{(x-10)}{3}} \\
 & \xleftarrow{+10} & & \xleftarrow{\times 3} &
 \end{array}$$

(13)

$$\begin{array}{ccccc}
 & \xrightarrow{\div 10} & & \xrightarrow{-3} & \\
 \boxed{x} & & \boxed{\frac{x}{10}} & & \boxed{\frac{x}{10}-3} \\
 & \xleftarrow{\times 10} & & \xleftarrow{+3} &
 \end{array}$$

(7)

$$\begin{array}{ccccc}
 & \xrightarrow{-3} & & \xrightarrow{\times 7} & \\
 \boxed{x} & & \boxed{x-3} & & \boxed{7(x-3)} \\
 & \xleftarrow{+3} & & \xleftarrow{\div 7} &
 \end{array}$$

(14)

$$\begin{array}{ccccc}
 & \xrightarrow{\div 3} & & \xrightarrow{+5} & \\
 \boxed{x} & & \boxed{\frac{x}{3}} & & \boxed{\frac{x}{3}+5} \\
 & \xleftarrow{\times 3} & & \xleftarrow{-5} &
 \end{array}$$