

Name: _____

Date: _____

Inverse operations: Questions

$$\begin{aligned}
 (1) \quad & 9(x - 10) = -72 \\
 & \frac{9(x - 10)}{\quad \dots \quad} = \frac{-72}{\quad \dots \quad} \\
 & x - 10 = \dots \\
 & x - 10 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & 5(x - 10) = -45 \\
 & \frac{5(x - 10)}{\quad \dots \quad} = \frac{-45}{\quad \dots \quad} \\
 & x - 10 = \dots \\
 & x - 10 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 2(x - 7) = 4 \\
 & \frac{2(x - 7)}{\quad \dots \quad} = \frac{4}{\quad \dots \quad} \\
 & x - 7 = \dots \\
 & x - 7 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & 10(x - 8) = -20 \\
 & \frac{10(x - 8)}{\quad \dots \quad} = \frac{-20}{\quad \dots \quad} \\
 & x - 8 = \dots \\
 & x - 8 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 7(x - 6) = -14 \\
 & \frac{7(x - 6)}{\quad \dots \quad} = \frac{-14}{\quad \dots \quad} \\
 & x - 6 = \dots \\
 & x - 6 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & 6(x - 4) = 30 \\
 & \frac{6(x - 4)}{\quad \dots \quad} = \frac{30}{\quad \dots \quad} \\
 & x - 4 = \dots \\
 & x - 4 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 9(x - 10) = 0 \\
 & \frac{9(x - 10)}{\quad \dots \quad} = \frac{0}{\quad \dots \quad} \\
 & x - 10 = \dots \\
 & x - 10 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & 2(x - 8) = -10 \\
 & \frac{2(x - 8)}{\quad \dots \quad} = \frac{-10}{\quad \dots \quad} \\
 & x - 8 = \dots \\
 & x - 8 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & 4(x - 3) = 8 \\
 & \frac{4(x - 3)}{\quad \dots \quad} = \frac{8}{\quad \dots \quad} \\
 & x - 3 = \dots \\
 & x - 3 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & 7(x - 6) = 14 \\
 & \frac{7(x - 6)}{\quad \dots \quad} = \frac{14}{\quad \dots \quad} \\
 & x - 6 = \dots \\
 & x - 6 + \dots = \dots + \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
(11) \quad & 3(x-1) = 9 \\
& \frac{3(x-1)}{\dots} = \frac{9}{\dots} \\
& x-1 = \dots \\
& x-1 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(16) \quad & 10(x-4) = -10 \\
& \frac{10(x-4)}{\dots} = \frac{-10}{\dots} \\
& x-4 = \dots \\
& x-4 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(12) \quad & 9(x-4) = 54 \\
& \frac{9(x-4)}{\dots} = \frac{54}{\dots} \\
& x-4 = \dots \\
& x-4 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(17) \quad & 5(x-2) = 15 \\
& \frac{5(x-2)}{\dots} = \frac{15}{\dots} \\
& x-2 = \dots \\
& x-2 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(13) \quad & 7(x-10) = -56 \\
& \frac{7(x-10)}{\dots} = \frac{-56}{\dots} \\
& x-10 = \dots \\
& x-10 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(18) \quad & 6(x-2) = 30 \\
& \frac{6(x-2)}{\dots} = \frac{30}{\dots} \\
& x-2 = \dots \\
& x-2 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(14) \quad & 10(x-2) = 0 \\
& \frac{10(x-2)}{\dots} = \frac{0}{\dots} \\
& x-2 = \dots \\
& x-2 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(19) \quad & 2(x-9) = -14 \\
& \frac{2(x-9)}{\dots} = \frac{-14}{\dots} \\
& x-9 = \dots \\
& x-9 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(15) \quad & 3(x-1) = 9 \\
& \frac{3(x-1)}{\dots} = \frac{9}{\dots} \\
& x-1 = \dots \\
& x-1 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(20) \quad & 10(x-8) = -70 \\
& \frac{10(x-8)}{\dots} = \frac{-70}{\dots} \\
& x-8 = \dots \\
& x-8 + \dots = \dots + \dots \\
& x = \dots
\end{aligned}$$