

Name: _____

Date: _____

Inverse operations: Questions

$$\begin{aligned}
 (1) \quad & 5(x + 5) = 60 \\
 & \frac{5(x + 5)}{\dots} = \frac{60}{\dots} \\
 & x + 5 = \dots \\
 & x + 5 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & 4(x + 1) = 8 \\
 & \frac{4(x + 1)}{\dots} = \frac{8}{\dots} \\
 & x + 1 = \dots \\
 & x + 1 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 8(x + 2) = 72 \\
 & \frac{8(x + 2)}{\dots} = \frac{72}{\dots} \\
 & x + 2 = \dots \\
 & x + 2 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & 9(x + 8) = 153 \\
 & \frac{9(x + 8)}{\dots} = \frac{153}{\dots} \\
 & x + 8 = \dots \\
 & x + 8 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 6(x + 5) = 48 \\
 & \frac{6(x + 5)}{\dots} = \frac{48}{\dots} \\
 & x + 5 = \dots \\
 & x + 5 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & 2(x + 6) = 26 \\
 & \frac{2(x + 6)}{\dots} = \frac{26}{\dots} \\
 & x + 6 = \dots \\
 & x + 6 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 3(x + 9) = 33 \\
 & \frac{3(x + 9)}{\dots} = \frac{33}{\dots} \\
 & x + 9 = \dots \\
 & x + 9 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & 2(x + 5) = 20 \\
 & \frac{2(x + 5)}{\dots} = \frac{20}{\dots} \\
 & x + 5 = \dots \\
 & x + 5 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & 8(x + 7) = 72 \\
 & \frac{8(x + 7)}{\dots} = \frac{72}{\dots} \\
 & x + 7 = \dots \\
 & x + 7 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & 4(x + 6) = 64 \\
 & \frac{4(x + 6)}{\dots} = \frac{64}{\dots} \\
 & x + 6 = \dots \\
 & x + 6 - \dots = \dots - \dots \\
 & x = \dots
 \end{aligned}$$

$$\begin{aligned}
(11) \quad & 10(x+9) = 190 \\
& \frac{10(x+9)}{\dots} = \frac{190}{\dots} \\
& x+9 = \dots \\
& x+9 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(16) \quad & 3(x+3) = 21 \\
& \frac{3(x+3)}{\dots} = \frac{21}{\dots} \\
& x+3 = \dots \\
& x+3 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(12) \quad & 10(x+4) = 130 \\
& \frac{10(x+4)}{\dots} = \frac{130}{\dots} \\
& x+4 = \dots \\
& x+4 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(17) \quad & 10(x+2) = 80 \\
& \frac{10(x+2)}{\dots} = \frac{80}{\dots} \\
& x+2 = \dots \\
& x+2 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(13) \quad & 5(x+4) = 60 \\
& \frac{5(x+4)}{\dots} = \frac{60}{\dots} \\
& x+4 = \dots \\
& x+4 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(18) \quad & 9(x+7) = 99 \\
& \frac{9(x+7)}{\dots} = \frac{99}{\dots} \\
& x+7 = \dots \\
& x+7 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(14) \quad & 3(x+10) = 57 \\
& \frac{3(x+10)}{\dots} = \frac{57}{\dots} \\
& x+10 = \dots \\
& x+10 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(19) \quad & 2(x+7) = 30 \\
& \frac{2(x+7)}{\dots} = \frac{30}{\dots} \\
& x+7 = \dots \\
& x+7 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(15) \quad & 5(x+3) = 30 \\
& \frac{5(x+3)}{\dots} = \frac{30}{\dots} \\
& x+3 = \dots \\
& x+3 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$

$$\begin{aligned}
(20) \quad & 8(x+3) = 88 \\
& \frac{8(x+3)}{\dots} = \frac{88}{\dots} \\
& x+3 = \dots \\
& x+3 - \dots = \dots - \dots \\
& x = \dots
\end{aligned}$$