Name: _____ **Date:** _____

Inverse operations: Questions

(1)
$$5(x+5) = 60$$
$$\frac{5(x+5)}{\dots} = \frac{60}{\dots}$$
$$x+5 = \dots$$
$$x+5-\dots = \dots - \dots$$
$$x = \dots$$

(2)
$$8(x+2) = 72$$
$$\frac{8(x+2)}{\dots} = \frac{72}{\dots}$$
$$x+2 = \dots$$
$$x+2-\dots = \dots - \dots$$
$$x = \dots$$

(3)
$$6(x+5) = 48$$
$$\frac{6(x+5)}{\dots} = \frac{48}{\dots}$$
$$x+5 = \dots$$
$$x+5-\dots = \dots - \dots$$
$$x = \dots$$

(4)
$$3(x+9) = 33$$
$$\frac{3(x+9)}{\dots} = \frac{33}{\dots}$$
$$x+9 = \dots$$
$$x+9-\dots = \dots - \dots$$
$$x = \dots$$

(5)
$$8(x+7) = 72$$
$$\frac{8(x+7)}{\dots} = \frac{72}{\dots}$$
$$x+7 = \dots$$
$$x+7-\dots = \dots - \dots$$
$$x = \dots$$

(6)
$$4(x+1) = 8$$
$$\frac{4(x+1)}{\dots} = \frac{8}{\dots}$$
$$x+1 = \dots$$
$$x+1-\dots = \dots - \dots$$
$$x = \dots$$

(7)
$$9(x+8) = 153$$
$$\frac{9(x+8)}{\dots} = \frac{153}{\dots}$$
$$x+8 = \dots$$
$$x+8-\dots = \dots - \dots$$
$$x = \dots$$

(8)
$$2(x+6) = 26$$
$$\frac{2(x+6)}{\dots} = \frac{26}{\dots}$$
$$x+6 = \dots$$
$$x+6-\dots = \dots - \dots$$
$$x = \dots$$

(9)
$$2(x+5) = 20$$
$$\frac{2(x+5)}{\dots} = \frac{20}{\dots}$$
$$x+5 = \dots$$
$$x+5-\dots = \dots - \dots$$
$$x = \dots$$

(10)
$$4(x+6) = 64$$
$$\frac{4(x+6)}{\dots} = \frac{64}{\dots}$$
$$x+6 = \dots$$
$$x+6-\dots = \dots - \dots$$
$$x = \dots$$

(11)
$$10(x+9) = 190$$
$$\frac{10(x+9)}{\dots} = \frac{190}{\dots}$$
$$x+9 = \dots$$
$$x+9-\dots = \dots - \dots$$
$$x = \dots$$

(12)
$$10(x+4) = 130$$
$$\frac{10(x+4)}{\dots} = \frac{130}{\dots}$$
$$x+4 = \dots$$
$$x+4-\dots = \dots - \dots$$
$$x = \dots$$

(13)
$$5(x+4) = 60$$
$$\frac{5(x+4)}{\dots} = \frac{60}{\dots}$$
$$x+4 = \dots$$
$$x+4-\dots = \dots - \dots$$
$$x = \dots$$

(14)
$$3(x+10) = 57$$
$$\frac{3(x+10)}{\dots} = \frac{57}{\dots}$$
$$x+10 = \dots$$
$$x+10-\dots = \dots - \dots$$
$$x = \dots$$

(15)
$$5(x+3) = 30$$
$$\frac{5(x+3)}{\dots} = \frac{30}{\dots}$$
$$x+3 = \dots$$
$$x+3-\dots = \dots - \dots$$
$$x = \dots$$

(16)
$$3(x+3) = 21$$
$$\frac{3(x+3)}{\dots} = \frac{21}{\dots}$$
$$x+3 = \dots$$
$$x+3-\dots = \dots - \dots$$
$$x = \dots$$

(17)
$$10(x+2) = 80$$
$$\frac{10(x+2)}{\dots} = \frac{80}{\dots}$$
$$x+2 = \dots$$
$$x+2-\dots = \dots - \dots$$
$$x = \dots$$

(18)
$$9(x+7) = 99$$
$$\frac{9(x+7)}{\dots} = \frac{99}{\dots}$$
$$x+7 = \dots$$
$$x+7-\dots = \dots - \dots$$
$$x = \dots$$

(19)
$$2(x+7) = 30$$
$$\frac{2(x+7)}{\dots} = \frac{30}{\dots}$$
$$x+7 = \dots$$
$$x+7-\dots = \dots - \dots$$
$$x = \dots$$

(20)
$$8(x+3) = 88$$
$$\frac{8(x+3)}{\dots} = \frac{88}{\dots}$$
$$x+3 = \dots$$
$$x+3-\dots = \dots - \dots$$
$$x = \dots$$