Name: _____ **Date:** _____

+x Check Solution: Questions

(1) Determine whether $x = 0$ is a solution to the equation $4(x + 2) = 20$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 0$ ..... a solution to the equation.

(2) Determine whether $x = 3$ is a solution to the equation $7(x + 4) = 49$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 3$ ..... a solution to the equation.

(3) Determine whether $x = 1$ is a solution to the equation $5(x + 8) = 45$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 1$ ..... a solution to the equation.

(4) Determine whether $x = 7$ is a solution to the equation $9(x + 1) = 99$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 7$ ..... a solution to the equation.

(5) Determine whether $x = 7$ is a solution to the equation $6(x + 2) = 72$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 7$ ..... a solution to the equation.

(6) Determine whether $x = 7$ is a solution to the equation $3(x + 7) = 33$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 7$ ..... a solution to the equation.

(7) Determine whether $x = 5$ is a solution to the equation $2(x + 3) = 20$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 5$ ..... a solution to the equation.

(8) Determine whether $x = 4$ is a solution to the equation $2(x + 6) = 20$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 4$ ..... a solution to the equation.

(9) Determine whether $x = 5$ is a solution to the equation $2(x + 7) = 26$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 5$ ..... a solution to the equation.

(10) Determine whether $x = 7$ is a solution to the equation $3(x + 2) = 27$:

LHS = RHS =

=

=

$\therefore$ Since LHS ... RHS, $x = 7$ ..... a solution to the equation.

(11) Determine whether $x = 8$ is a solution to the equation $7(x + 6) = 77$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 8$ ..... a solution to the equation.

(12) Determine whether $x = 8$ is a solution to the equation $6(x + 5) = 66$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 8$ ..... a solution to the equation.

(13) Determine whether $x = 5$ is a solution to the equation $2(x + 7) = 24$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 5$ ..... a solution to the equation.

(14) Determine whether $x = 1$ is a solution to the equation $7(x + 3) = 28$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 1$ ..... a solution to the equation.

(15) Determine whether $x = 8$ is a solution to the equation $4(x + 4) = 56$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 8$ ..... a solution to the equation.

(16) Determine whether $x = 3$ is a solution to the equation $2(x + 1) = 8$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 3$ ..... a solution to the equation.

(17) Determine whether $x = 6$ is a solution to the equation $8(x + 10) = 128$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 6$ ..... a solution to the equation.

(18) Determine whether $x = 6$ is a solution to the equation $6(x + 3) = 54$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 6$ ..... a solution to the equation.

(19) Determine whether $x = 8$ is a solution to the equation $10(x + 2) = 90$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 8$ ..... a solution to the equation.

(20) Determine whether $x = 1$ is a solution to the equation $2(x + 9) = 20$:

LHS = RHS =

$=$

$=$

$\therefore$ Since LHS ... RHS, $x = 1$ ..... a solution to the equation.