x Check Solution: Questions

(1) Determine whether x = 5 is a solution to the equation 9x = 36:

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

(2) Determine whether x = 6 is a solution to the equation 2x = 16:

LHS = RHS =

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

(3) Determine whether x = 4 is a solution to the equation 2x = 8:

 $\begin{array}{ccc} \mathrm{LHS} = & & \mathrm{RHS} = \\ & = & & \end{array}$

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

(4) Determine whether x = 7 is a solution to the equation 2x = 14:

LHS = RHS =

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

(5) Determine whether x = 7 is a solution to the equation 9x = 63:

LHS = RHS =

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

(6) Determine whether x = 6 is a solution to the equation 7x = 42:

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

(7) Determine whether x = 2 is a solution to the equation 9x = 18:

 $\begin{array}{ccc} \mathrm{LHS} = & & \mathrm{RHS} = \\ = & & \\ - & & \end{array}$

 \therefore Since LHS...RHS, x = 2 a solution to the equation.

(8) Determine whether x = 6 is a solution to the equation 10x = 60:

LHS = RHS = = -

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

(9) Determine whether x = 9 is a solution to the equation 4x = 36:

LHS = RHS =

 \therefore Since LHS ... RHS, x = 9 a solution to the equation.

(10) Determine whether x = 6 is a solution to the equation 2x = 12:

LHS = RHS =

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

(11) Determine whether $x = 2$ is a solution to the equation $6x = 30$:	(16) Determine whether $x = 10$ is a solution to the equation $5x = 50$:
LHS = RHS =	LHS = RHS =
=	=
=	=
\cdot Since I HS DHS $x = 2$	• Since I HS PHS $x = 10$
\therefore Since LHSRHS, $x = 2$	\therefore Since LHS RHS, $x = 10$ a
solution to the equation.	solution to the equation.
	(17) Determine whether $x = 0$ is a solution to the equation $10x = 30$:
(12) Determine whether $x = 9$ is a solution to	LHS = RHS =
the equation $4x = 36$:	=
LHS = RHS =	=
=	. Cinca I HC DHC O
=	$\therefore \text{ Since LHS} \dots \text{RHS}, x = 0 \dots a$
\therefore Since LHS RHS, $x = 9$ a	solution to the equation.
solution to the equation.	(18) Determine whether $x = 3$ is a solution to the equation $10x = 30$:
	LHS = RHS =
(12) Determine whether $n = 11$ is a solution to	=
(13) Determine whether $x = 11$ is a solution to the equation $4x = 40$:	=
LHS = RHS =	\therefore Since LHS RHS, $x = 3$ a
=	solution to the equation.
=	solution to the equation.
	(19) Determine whether $x = 6$ is a solution to
\therefore Since LHS RHS, $x = 11$ a	the equation $4x = 24$:
solution to the equation.	LHS = RHS =
	=
	=
(14) Determine whether $x = 2$ is a solution to	\therefore Since LHS RHS, $x = 6$ a
the equation $5x = 25$:	solution to the equation.
LHS = RHS =	solution to the equation.
=	(20) Determine whether $x = 2$ is a solution to the equation $4x = 8$:
\therefore Since LHS RHS, $x = 2$ a	LHS = RHS =
solution to the equation.	=
solution to the equation.	=
	\therefore Since LHS RHS, $x = 2$ a
(15) D	solution to the equation.
(15) Determine whether $x = 7$ is a solution to	botation to the equation.
the equation $10x = 100$:	
LHS = RHS =	
=	

 \therefore Since LHS \dots RHS, $x~=~7~\dots$ a

solution to the equation.