Name: .... Class: ....

Does x satisfy an equation ?

1.   Is z = 5 a solution to the equation z + 11 = 17?

2.   Is x =9 a solution of the equation 3x = 27 ?

3.   Is t = 3 a solution of the equation 30 = 11t - 3?

4.   Is s = 5 a solution of the equation 25+ 5s = 50

5.   Is x = 36 a solution of the equation x + 16 =52?
   a-   yes   **b-** No

6.   Is x = 72 a solution to the equation 3 x 14 + x = 114?
   a-   yes   **b-** No

7.   Is x = 19 a solution of the equation   180 = 10x + 90 – 195 + 5x?
   a-   yes   **b-** No

8.   Is u = 13.06 a solution of the equation u + 236.9(u) = 3,106, if y our answer is rounded
   to the nearest whole number?
   a-   yes   **b-** No

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Name: .... Class: ....

Does x satisfy an equation ?

1. Is z = 5 a solution to the equation z + 11 = 17?

Substitute z = 5 into the equation.

z + 11 = 17

5 + 11 = 17

Add the left side of the equation.

16 ? 17

No, 16 ≠ 17

So, z = 5 is not a solution to the equation.

2. So, x =9 is a solution to the equation.

3. So, t = 3 is a solution to the equation.

4. So, s = 5 is a solution to the equation.

5. No

6. yes

7. yes

8. No