Solving Quadratic Equations

SQ:18

Determine whether the given values of variable is a solution of the given quadratic equation. Write Yes or No.

1) $6y^2 + 7y + 1 = 0 \; ; \; y = 1$

_____

2) $u^2 - 81 = 0 \; ; \; u = -9$

_____

3) $2t^2 + 11t - 6 = 0 \; ; \; t = -\dfrac{1}{2}$

_____

4) $z^2 + 5z + 8 = 0 \; ; \; z = 4$

_____

5) $x^2 - 9x + 3 = 0 \; ; \; x = 4$

_____

6) $8k^2 - 6k + 1 = 0 \; ; \; k = \dfrac{1}{4}$

_____

7) $5m^2 - 12m - 9 = 0 \; ; \; m = -\dfrac{3}{5}$

_____

8) $4g^2 - 1 = 0 \; ; \; g = \dfrac{1}{3}$

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Answer key

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