Missing Roots

1) If one of the roots of the equation $x^2 + 5x + n = 0$ is 3, then find the other root.

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2) If 7 is root of the equation $m^2 + tm - 49 = 0$, then find the value of variable t.

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3) Find the other root, if one of the roots of the equation $2g^2 + kg - 1 = 0$ is -1.

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4) If one of the roots of the equation $y^2 + 15y + q = 0$ is -7, then find the value of q.

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5) If one of the roots of the equation $25z^2 - 4 = 0$ is $\frac{2}{5}$, then find the other root.

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Missing Roots

Answer key

1) If one of the roots of the equation $x^2 + 5x + n = 0$ is 3, then find the other root.

x = 2

2) If 7 is root of the equation $m^2 + tm - 49 = 0$, then find the value of variable t.

t = 0

3) Find the other root, if one of the roots of the equation $2g^2 + kg - 1 = 0$ is −1.

g = $\dfrac{1}{2}$

4) If one of the roots of the equation $y^2 + 15y + q = 0$ is −7, then find the value of q.

q = 56

5) If one of the roots of the equation $25z^2 - 4 = 0$ is $\dfrac{2}{5}$, then find the other root.

z = −$\dfrac{1}{2}$