

Sum and product of the roots of a quadratic equation

- 1) Find the sum and product of the quadratic equation given below.

$$x^2 - 5x + 6 = 0$$

- 2) Find the sum and product of the quadratic equation given below.

$$x^2 - 6 = 0$$

- 3) Find the sum and product of the quadratic equation given below.

$$3x^2 + x + 1 = 0$$

- 4) Find the sum and product of the quadratic equation given below.

$$3x^2 + 7x = 2x - 5$$

5) Find the sum and product of the quadratic equation given below.

$$3x^2 - 7x + 6 = 5$$

6) Find the sum and product of the quadratic equation given below.

$$x^2 + 5x + 1 = 3x^2 + 6$$

7) If the product of roots of the quadratic equation $2x^2 + 8x - m^3 = 0$ is "4", then find the value of "m".

8) If the sum of roots of the quadratic equation $x^2 - (p+4)x + 5 = 0$ is "0", find the value of "p".

9) If the product of roots of the quadratic equation $x^2 + (2p-1)x + p^2 = 0$ is "1", then find the value of "p".

10) Find the sum and product of the quadratic equation given below.

$$\frac{1}{x+1} + \frac{2}{x-4} = 2$$

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Answers:

1) 5, 6

2) 0, -6

3) $-1/3, 1/3$

4) $-5/3, 5/3$

5) $7/3, 1/3$

6) $5/2, 5/2$

7) $m = -2$

8) $p = -4$

9) $p = \pm 1$

10) $9/2, -3$

Do you need the step by step solution for the above problems, please click on the following link.

<http://www.onlinemath4all.com/sum-and-product-of-roots-of-quadratic-equation-worksheet.html>

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