Tender Heart High School, Sector 33B,Chd.

REVISION

Date 8.04.2024

Quadratic Equations. Class 10, Maths

Q1 Solve the equation $x - \frac{18}{x} = 6$

Give your answer correct to two significant figures. [2011]

Q2 Without solving the following quadratic equation, find the value of 'm' for which the given equation has real and equal roots. $x^2 + 2(m-1)x + (m+5) = 0$ [2012]

Q3 Solve the following equation and give your answer correct to 3 significant figures. $5x^2 - 3x - 4 = 0$ [2012]

Q4 Solve the following equation and calculate the answer correct to two decimal places. $x^2 - 5x - 10 = 0$ [2013]

Q5 Without solving the following quadratic equation, find the value of 'p' for which the given equation has real and equal roots. $x^2 + (p-3)x + p = 0$ [2013]

Q6 Solve for x using the quadratic formula $(x-1)^2 - 3x + 4 = 0$

Write your answer correct to two significant figures. [2014]

Q7 Find the value of 'k' for which $x = 3$ is a solution of the quadratic equation.

$(k+2)x^2 - kx + 6 = 0$ [2015]

Q8 Solve the quadratic equation $x^2 - 3(x+3) = 0$ give your answer correct to two significant figures. [2016]

Q9 Solve the equation $4x^2 - 5x - 3 = 0$ and give your answer correct to two decimal places $4x^2 - 5x - 3 = 0$ [2017]

Q10 Solve $x^2 + 7x = 7$ and give your answer correct to two decimal places. [2018]

Q11 Find k if $x^2 + 4kx + (k^2 - k + 2) = 0$ for real roots.