

QUADRATIC EQUATION

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MCQ

- Standard form of Quadratic equation:
a) $ax^2 + bx + c = 0$ b) $ax^2 + bx + c$ c) $ax + bx + c = 0$
- The factors of $x^2 - 9 = 0$
a) $(x+3)$ b) $(x-3)(x+3)$ c) $(x-3)(x-3)$ d) 9
- The roots of the Equation $x^2 - 16 = 0$ is
a) 4. b) -4. c) +or-4. d) 16
- The factors of $x^2 - 3x - 10$
a) $(x-5)(x+3)$ b) $(x-3)(x+5)$ c) $(x-3)(x-5)$
- The product of two consecutive positive integers is 306. This statement can be expressed as.
a) $x(x+1)=306$. b) $(x-1)y=306$. c) $x^2 - x - 306 = 0$
- A train travels 360 km at a uniform speed. If the speed had been 5 km/h more, it would have taken 1 hour less for the same journey. Find the speed of the train.
a) 30km/hr. b) 40km/hr. c) 45km/hr. d) 35km
- If $\Delta > 0$ then the nature of the root:
a) real and equal. b) real and distinct. c) has no real roots
- If the equation $2x^2 + kx + 3 = 0$ has equal roots then the value of k
a) $4\sqrt{6}$ b) $2\sqrt{6}$ c) + or - $2\sqrt{6}$
- The roots of the equation $3x^2 - 5x + 2 = 0$ is
a) 1, 2/3. b) 0, 2/3. c) -1, 2/3.
- The discriminant of the equation $3x^2 - 4\sqrt{3}x + 4 = 0$ a) 0 b) 1