

MCQ Quadratic Equations

1. Standard form of Quadratic equation:
 - i. $ax^2+bx+c = 0$
 - ii. $ax^2 + bx+c$
 - iii. $ax+bx+c=0$
2. The factors of $x^2-3x - 10$
 - i. $(x-5)(x+3)$
 - ii. $(x-3)(x+5)$
 - iii. $(x-3)(x-5)$
3. Which of the following is not a quadratic equation
 - i. $x^2 + 3x-5=0$
 - ii. $x^2+x^3+2=0$
 - iii. $3+x+x^2=0$
 - iv. $x^2-9=0$
4. The quadratic equation has degree
 - i. 0
 - ii. 1
 - iii. 2
 - iv. 3
5. The cubic equation has degree
 - i. 1
 - ii. 2
 - iii. 3
 - iv. 4
6. The discriminant of the quadratic equation $px^2+qx+r=0$ is
 - i. q^2-4pr
 - ii. q^2+4pr
 - iii. q^2-4r
 - iv. q^2-4p
7. The polynomial equation $x(x+1)+8=(x+2)(x-2)$ is
 - i. linear equation
 - ii. quadratic equation
 - iii. cubic equation
 - iv. bi-quadratic equation
8. The equation $(x-2)^2+1=2x-3$ is a
 - i. linear equation
 - ii. quadratic equation
 - iii. cubic equation
 - iv. bi-quadratic equation
9. Write the quadratic equation $2x+3=x^2+1$ in standard form
 - i. $x^2-2x-2=0$
 - ii. $x^2+2x-2=0$
 - iii. $x^2=2x-2=0$
 - iv. $x^2+2x+2=0$