

Quadratic Equation Worksheet 3

1. Find the roots of the quadratic equation $6x^2 - x - 2 = 0$.
2. If $\frac{1}{2}$ is a root of the quadratic equation $x^2 + kx - (5/4) = 0$, then find the value of k .
3. Find the roots of the quadratic equation $2x^2 + (5/3)x - 2 = 0$ by factorisation method.
4. By the method of completing the square, find the roots of $100x^2 - 20x + 1 = 0$.
5. Find the roots of the quadratic equation $5x^2 - 6x - 2 = 0$ using the quadratic formula.
6. Find the roots of the quadratic equation, if they exist, using the quadratic formula $x^2 + 4x + 5 = 0$.
7. Find the roots of the equation $x + (1/3) = 3$, $x \neq 0$.
8. What are the roots of the quadratic equation $4x^2 + 4\sqrt{3}x + 3 = 0$?
9. What are the roots of $x^2 + 3x - 12 = 0$?
10. Using quadratic formula, find the roots of $2x^2 + x - 300 = 0$.