

**Quadratic Equations : Worksheet -5**

1. Find the roots of the following quadratic equations, if they exist, by the method of completing the square:

i.  $2x^2 + x - 4 = 0$

ii.  $4x^2 + 4\sqrt{3}x + 3 = 0$

iii.  $5x^2 - 7x - 6 = 0$

iv.  $x^2 + 5 = -6x$



2. Find the roots of the quadratic equations given in the following by applying the quadratic formula.

i.  $2x^2 + x - 4 = 0$

ii.  $4x^2 + 4\sqrt{3}x + 3 = 0$

iii.  $5x^2 - 7x - 6 = 0$

iv.  $x^2 + 5 = -6x$

