



# Quadratic Equations - SOLUTIONS

1.
  - (i)  $x = -1$
  - (ii)  $x = -1/2, x = -2$
  - (iii)  $x = 0, x = 1$
  - (iv)  $x = 1, x = -1$
  - (v)  $x = 2, x = -7$
  - (vi)  $x = 7, x = -1$
  - (vii)  $x = -3/2, x = 3/2$
  - (viii)  $x = 0, x = 4/3$
  - (ix)  $x = 1/2, x = 3$
  - (x)  $x = -2, x = -1$
  - (xi)  $x = 0, x = 2$
  - (xii)  $x = y, x = -y$
  - (xiii)  $x = 2, x = -2$
  - (xiv)  $x = -13, x = 1$
  - (xv)  $x = -4/3, x = -1$
  - (xvi)  $x = -2$
  - (xvii)  $x = 0, x = 2/7$
  - (xviii)  $x = 1/3, x = -2$
  - (xix)  $x = -4, x = -1$
  - (xx)  $x = 2y/3, x = -2y/3$
  - (xxi)  $x = 4/3, x = -1/2$
  - (xxii)  $x = 0, x = 6/5$
  - (xxiii)  $x = 1/3, x = -2$
  - (xxiv)  $x = -4, x = -2$
  - (xxv)  $x = 0, x = 3/2$
  - (xxvi)  $x = -1/4, x = 4$
  - (xxvii)  $x = -10, x = -1$
  - (xxviii)  $x = 0, x = 1/3$
  - (xxix)  $x = -2, x = 6$
  - (xxx)  $a = 5b/4, a = -5b/4$
  - (xxxi)  $x = -4, x = 6$
  - (xxxii)  $x = 0, x = -2, x = 2$
  - (xxxiii)  $6x^2 - 5x - 4 = 0$
  - (xxxiv)  $x = -7, x = 4$
  - (xxxv)  $x = -4/13, x = 3$
  - (xxxvi)  $x = 1, x = 9$
  - (xxxvii)  $x = 1/3, x = 2$
  - (xxxviii)  $x = \pm\sqrt{3}/2$
  - (xxxix)  $x = 1/4, x = -7/2$
  - (xl)  $x = -11, x = 10$
  - (xli)  $x = -1/2, x = 4/3$
  
2.
  - (i)  $x = 5.46, x = -1.46$
  - (ii)  $x = -.61, x = -4.89$
  - (iii)  $x = 3.21, x = -1.71$





(iv)  $x = 2.72, x = .61$

(v)  $x = .31, x = -.81$

Leamy Maths Community

