



# Bracket by Bracket SOLUTIONS



1.
  - i.  $a^2 + 9a + 18$
  - ii.  $x^2 + 3x - 28$
  - iii.  $y^2 - 3y - 10$
  - iv.  $b^2 + 14b + 48$
  - v.  $a^2 + 4a - 45$
2.
  - i.  $6x^2 + 5x - 6$
  - ii.  $5x^2 + 32x - 21$
  - iii.  $28x^2 - 34x - 12$
  - iv.  $16x^2 + 74x + 63$
  - v.  $21x^2 - 74x + 48$
3.
  - i.  $36b^2 + 48b + 16$
  - ii.  $25y^2 - 70y + 49$
  - iii.  $9b^2 + 18b + 9$
  - iv.  $4[x^2 - 6x + 9] = 4x^2 - 24x + 36$
  - v.  $7[4x^2 + 12x + 9] = 28x^2 + 84x + 63$
  - vi.  $2[16x^2 + 48x + 36] = 32x^2 + 96x + 72$
  - vii.  $6[a^2 - 14a + 49] = 6a^2 - 84a + 294$
  - viii.  $7[9x^2 - 30x + 25] = 63x^2 - 210x + 175$
  - ix.  $5[b^2 + 8b + 16] = 5b^2 + 40b + 80$

