Name : ———————————————   **ID. # :** ——————   **SER. # :** ————

- If the center of the hyperbola is $(4, 1)$, conjugate axis parallel to y–axis and of length 4, eccentricity $\frac{4}{3}$, then find the equation of :

  (i) The hyperbola   (ii) The asymptotes of the hyperbola