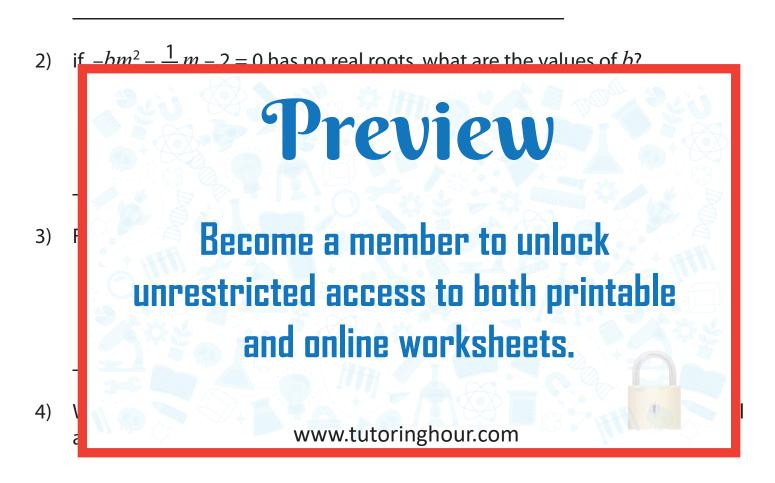
## **Nature of the Roots**

1) What are the values of t if the quadratic equation  $2u^2 - tu + 8 = 0$  has real and unequal roots?



5) If the quadratic equation  $4x^2 - 8x + d = 0$  has complex roots, what are the possible values of d?