

Nature of roots of a quadratic equation

F Y E O X L Q R X O W T R S I R L
X Y H F F A G U M T R N H S Q L Q
R C C R M N N B R Q Y A R X U U G
G C E Q C O W Q R C I N K M N H L
T A Q O X I K A H D V I Z M E J E
L Z H L M T T O V R K M O R Q P W
K M D A H A G D Y S V I Q R U Q Y
N K Y U U R C B T L Y R O S A D Z
J P F Q T R D O F A M C C Q L J F
U I I E K I O K J O F S I P S W P
Q U A U Z R W O F L K I R Y P D X
O Z S S T J G W U S P D M P Z L X
A N E G A T I V E N U M B E R C B
Q X Q X R U I M A G I N A R Y U C
E A U K D S N L T D I J Q I A A F
E M L N H K L R A T I O N A L K L
E T S E R A U Q S T C E F R E P A

negative number

perfect square

discriminant

irrational

imaginary

rational

unequal

roots

equal

real