MATHEMATICS 10th Class Karachi Board Time: 30 minutes **CE QUESTIONS**) orrect answer for each from given options: The median of 2, 8, 6, 10, 4, 12 is: • 6 • 7 • 8 Sin 30° = The multiplicative inverse of a - b is: 3. a+b In 35, 30, 10, 48, 100, 90 the range ® is: 35 10 If $(x^3 + 4x^2 - 7x + 3) \div (x - 1)$ then the reminder is: 5. If $x = 2 + \sqrt{5}$, then x^2 is: 6. 2√5 The characteristic of log 226.7 is: The point of concurrency of the medians of a triangle is 8. centroid circum-centre called: none of these 36 The mean proportion of 14 and 56 is: 10. 28 56 14 (-5, -3) is in quadrant: 11. 2nd • 3rd • 4th The solution set of $3x^2 - 10x = 0$ is: 12. $\left\{\frac{10}{3}\right\} \quad \bullet \quad \{0\}$ If $log_7 x = 2$, then x is: 13. 14 • 128 • 49 • 64 14. If x + y = 5 and x - y = 5 then 4xy =0 5 10 • 25 45. H.C.F of $a^3 + b^3$ and $a^2 - ab + b^2$ is: $a + b \cdot a - b \cdot a^2 - ab + b^2 \cdot a^2 + b^2$ 16. The cartesion product of sets A and B is written as: A.B . AXB . AAB . BXA If a:b = c:d then a:c = b:d this property of proportion is called: • inventendo Dividendo Alternando Componendo The angle inscribed in a major arc is alan: • Right angle 18. Obtuse angle • Acute angle • None of these The sum of two complementary angles is: 19. 180° • 45° 90° 360° 20. If |A| = 0 then matrix A is called: Singular matrix • Non-singular matrix Square matrix None of these