

Mathematics 10th Class English Medium Online Test

Sr	Questions	Answers Choice
1	An equation of the type $3^x+3^{2-x}+6 = 0$ is called a/an:	A. Reciprocal equation B. Radical equation C. Exponential equation D. None of these
2	Question Image	A. Radical equation B. Reciprocal equation C. Exponential equation D. None of these
3	Two linear factors $x^2-15x+56$ are:	A. $(x-7)$ and $(x+8)$ B. $(x+7)$ and $(x-8)$ C. $(x-7)$ and $(x-8)$ D. $(x+7)$ and $(x+8)$
4	The quadratic formula is:	A. 1 B. 2 C. 3 D. 4
5	The number of methods to solve a quadratic equation is:	A. 1 B. 2 C. 3 D. 4
6	The number of terms in a standard quadratic equation $ax^2+bx+c=0$ is:	A. 1 B. 2 C. 3 D. 4
7	Standard form of quadratic equation is:	A. $1/2$ B. $-1/2$ C. $-1/\sqrt{2}$ D. $1/\sqrt{2}$
8	If $\tan\theta=1$ then $\sin\theta=$ _____ when θ lies in 3rd quadrant.	A. $\sin^2\theta$ B. $\cos^2\theta$ C. $\operatorname{cosec}^2\theta$ D. $\sec^2\theta$
9	$1+\tan^2\theta=$ _____	A. $\sin^2\theta$ B. $\cos^2\theta$ C. $\operatorname{cosec}^2\theta$ D. $\sec^2\theta$
10	$A'=$ _____	A. $\{x x \in A\}$ B. $\{x x \in A\}$ C. $\{x x \in A\}$ D. $\{x x \in A\}$

family: arial, sans-serif; font-size: small; color: rgb(34, 34, 34);">" > **A** }
D. {x|**A** }
<b style="font-family: arial, sans-serif; font-size: small; color: rgb(34, 34, 34);">A }

11 $(A \cap B)' = \underline{\hspace{2cm}}$

- A. $A' \cup B'$
B. $A' \cap B'$
C. $A \cap B$
D. $A \cup B$

12 $45^\circ = \underline{\hspace{2cm}}$ radian.

- A. $\pi/3$
B. $\pi/4$
C. $\pi/6$
D. $\pi/2$

13 $\sin(-350^\circ)$ lies in .

- A. 1st quadrant
B. 2nd quadrant
C. 3rd quadrant
D. 4th quadrant

14 $\cot\theta = \underline{\hspace{2cm}}$

- A. $\sin\theta/\cos\theta$
B. $1/\cos\theta$
C. $\cos\theta/\sin\theta$
D. $1/\sin\theta$

15 If an object is above the level of observation then angle formed between the horizontal line and observer's line of sight is called:

- A. Angle of dispersion
B. Angle of elevation
C. Obtuse angle
D. None of these