

## **Class X Mathematics**

## **Pre First Term Test**





B

## Braj Education Centre Cultivating Academic Minds CBSE, ICSE and JEE Mains -2022

			CBSE,	ICSE and JEE Mains -2022
	a) $\frac{a}{\sqrt{a^2-b^2}}$	b) $\frac{a}{a^2+b^2}$	c) $\frac{a}{a^2+b^2}$	d) None of these
18.	ABC is an isoscel	es triangle, wit	h AB = AC. D is	s a point on AC such
	that $BC^2 = AC \times CD$ , then			
	a) BD = BC	b) AC = CD	c) BC = AC	d) AD = AB
19.	The relation between x and y if the points A(x, y), B(- 5, 7) and C(-			
	4, 5) are collinear	' is		
	a) 2x - y =3	b)	2x + y = -3	
	c) $2x + y = -3$	d)	2x - y = -3	
20.	D and E are respectively the points on the sides AB and AC of a			
	triangle ABC such that $AD = 2 \text{ cm}$ , $BD = 3 \text{ cm}$ , $BC = 7.5 \text{ cm}$ and $DE$			
	BC. Then, lengt	th of DE (in cm)	is	
	a) 2.5	b) 3	c) 5	d) 6