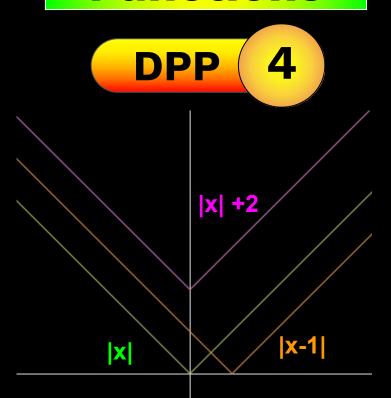


Functions



Modulus Function







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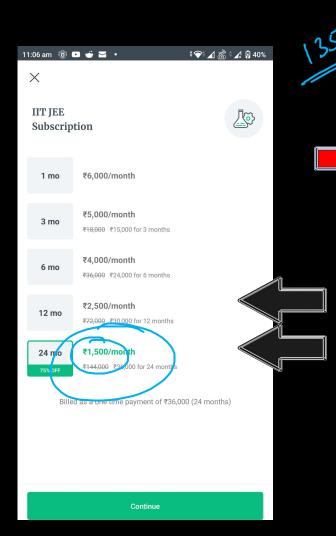


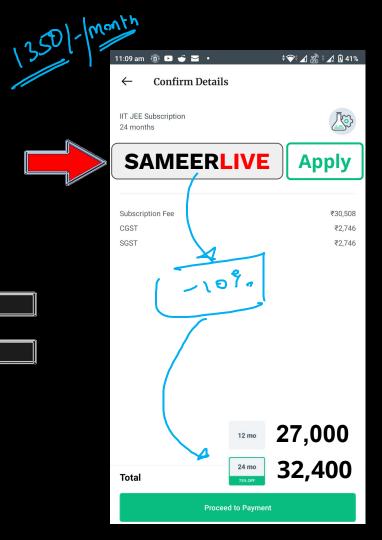


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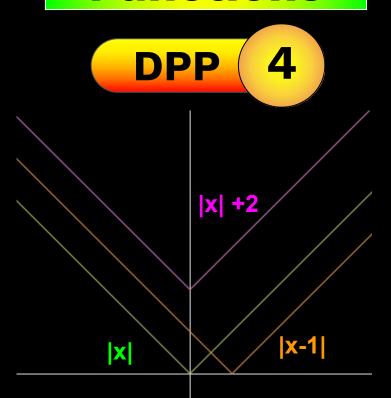




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Functions



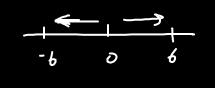
Modulus Function





Homework Discussion

Solve for x:
$$||2x - 1| - 4| \le 2$$



🔀 jee







$$|2n-1| \leq 6$$

$$-6 \le (2\pi^{-1}) \le 6$$

$$\begin{array}{c|c}
\hline
C-2-1 & \vdots & (2n-1) & 7,2 \\
\hline
 & n & 7,3/2 & (-0,-1) & (\frac{3}{2},0) \\
\hline
 & C-2-2 & \vdots & (2n-1) & (-2) \\
\hline
 & n & (-2) & (2n-1) & (-2) & (2n-1) & (-2) \\
\hline
 & n & (-2) & (2n-1) & (-2) & (-2) & (-2) & (-2) & (-2) & (-2) \\
\hline
 & n & (-2) & (-2) & (-2) & (-2) & (-2) & (-2) & (-2) & (-2) & (-2) \\
\hline
 & n & (-2) & ($$







Practice Problems

The product of all the solutions of the equation $(x-2)^2 - 3|x-2| + 2 = 0$

jee

A. 2

B. 1/2

C. -1

D. 0

$$|n-\nu|^2 - 3|n-\nu| + \nu = 0$$

$$|n-\nu| = t$$

$$t^2 - 3t + \nu = 0$$

$$(t-\nu) (t-1) = 0$$

$$t = 1, 2$$

$$||n-r|| = 1 ||n-r|| = 2 ||n-r|| = 4 ||n-r|| = 4$$





5

The equation |x-1| + |a| = 4, can have real solutions for x if a belongs to the interval

$$(-\infty, 4)$$
 B. $(-\infty, -4)$ C. $(4, \infty)$ D. None of these

$$|x-1|+a=|y|$$

89: [n] = -1] -> No soln.

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C.
$$(0, 1) \cup (2, +\infty)$$

 $\left| \frac{\mathbf{x}^2 - 5\mathbf{x} + 4}{\mathbf{x}^2 - 4} \right| \le 1$

D.
$$[0, 8/5] \cup [5, +\infty)$$

$$\frac{|C-1|}{n^2-5}$$
 $\frac{n^2-5}{n^2-4}$ $\frac{2}{n^2-4}$ $\frac{2}{n^2-4}$ $\frac{2}{n^2-4}$ $\frac{2}{n^2-4}$ $\frac{2}{n^2-4}$ $\frac{2}{n^2-4}$

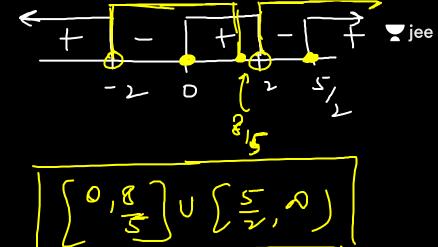
5

$$\frac{n^2-5n+y}{n^2-4}$$

$$\frac{n^2 - 5 \times 1 + \times 1 + n^2 - \times}{n^2 - 4} > 0$$

$$\frac{2n^2-51}{n^2-4}$$

$$\frac{\chi(2n-5)}{(n-\nu)(n+\nu)}$$



y jee

If
$$\frac{|x+3|+x}{x+2} > 1$$
, then least)integral value of x is





5

What percent of the domain of the function $f(x) = \sqrt{\frac{9-|2x+5|}{49-|2x+5|}}$ consists of positive numbers?

フ jee

$$n^2 - 9 \leq 0$$

Tjee

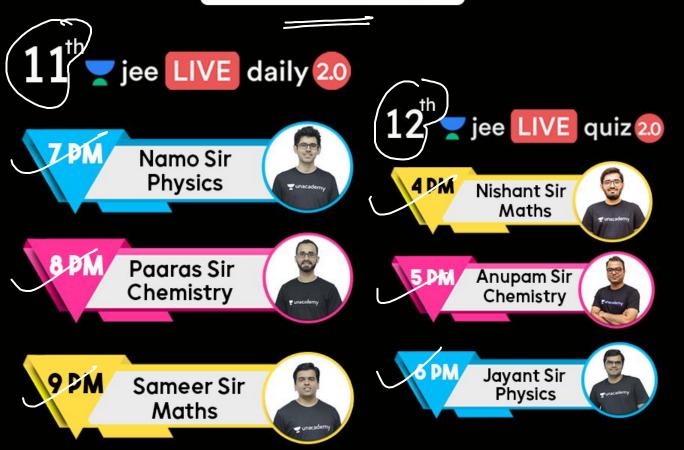
$$\frac{2}{5} \times 100 = (40\%)$$





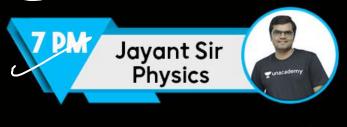
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THURS - SAT









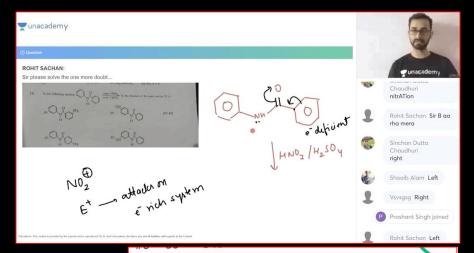






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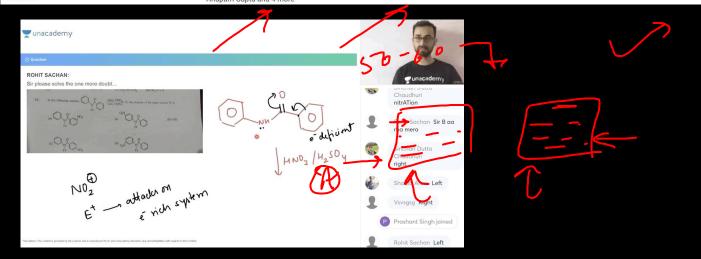


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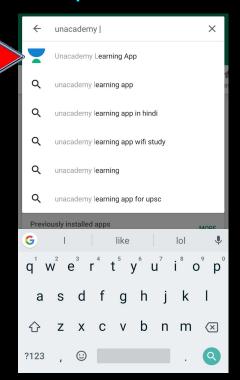
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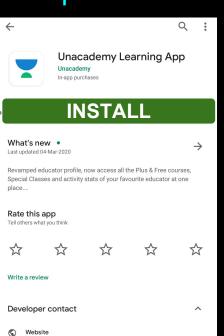
D C Pandey



Step 1

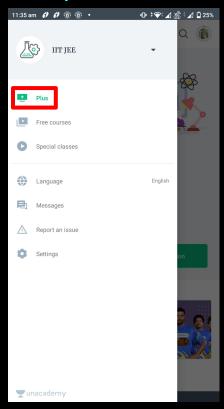


Step 2

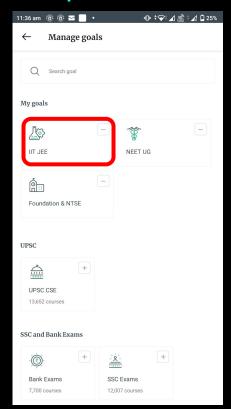




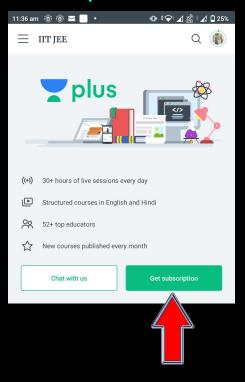
Step 3



Step 4

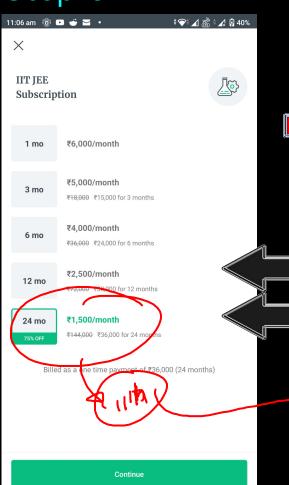


Step 5

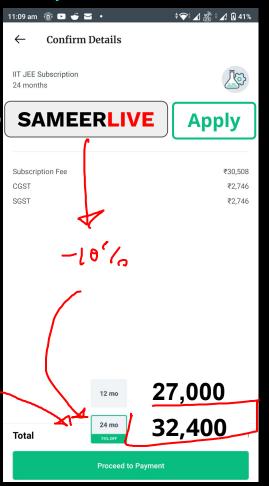




Step 6



Step 7









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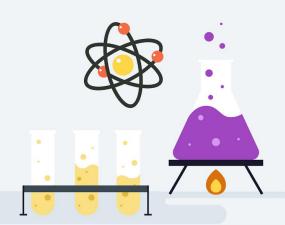


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