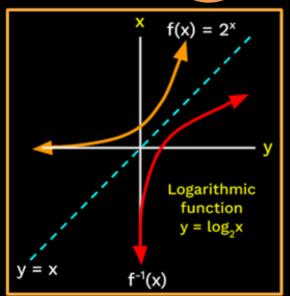


Functions









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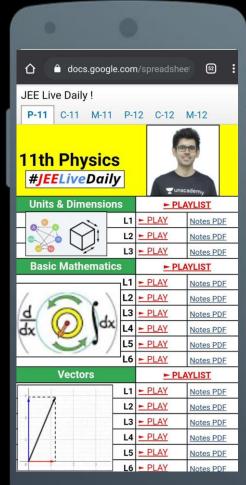
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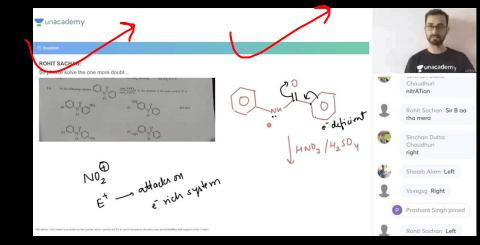
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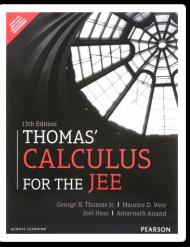
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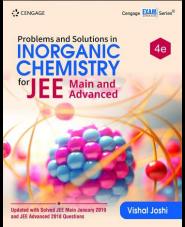
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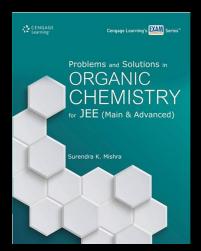


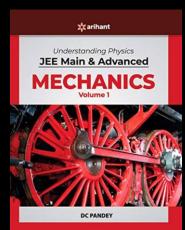


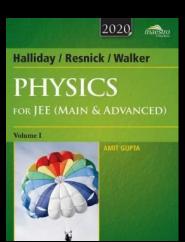


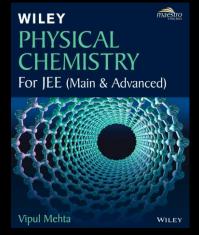




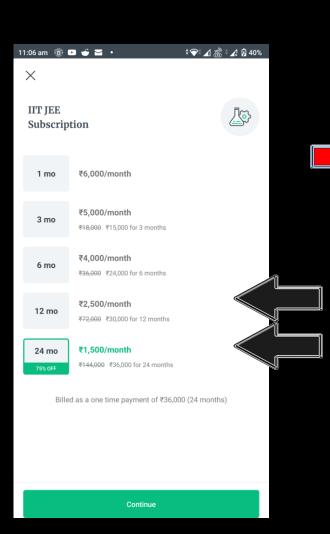














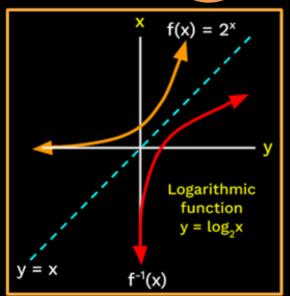
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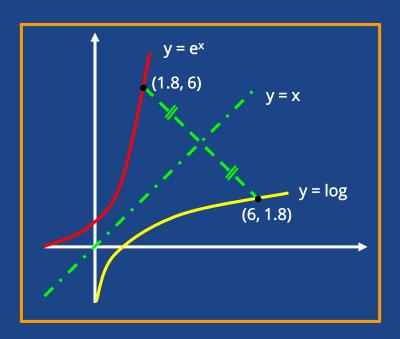
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Homework Question (DPP-6)

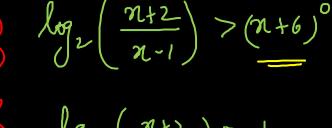


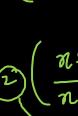
Example Solve for x:
$$\log_{(x+6)} \left(\log_2\left(\frac{x+2}{x-1}\right)\right) > 0$$

$$Casc: \rightarrow (n+6) > 1 ; [n > -5]$$

$$\frac{(n+2)}{n-1} > 0$$

$$\frac{2}{n} \int_{2}^{\infty} \left(\frac{n+2}{n-1} \right) > 0$$



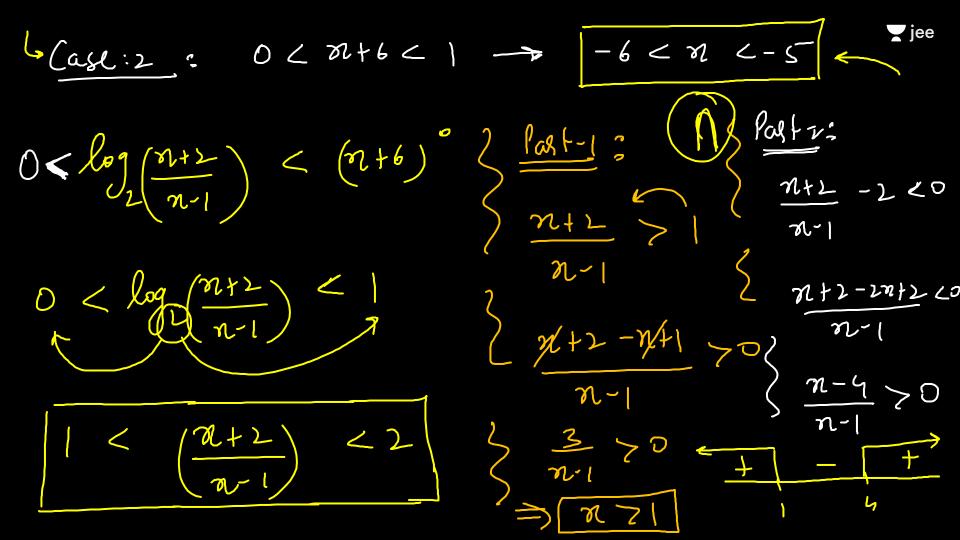






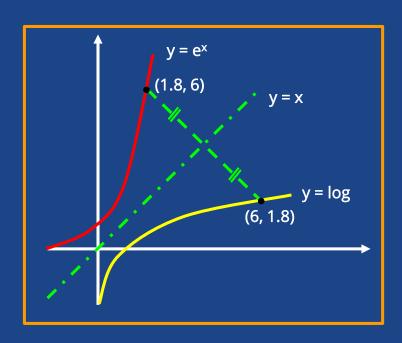


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Homework Question (L-10)



Example

If
$$y = 3[x] + 2 = 2[x + 4]$$
. Find the value of: $[x + y]$.

A.

26 **B.**

c. 14

None

$$3 \left[n\right] + 2 = 2 \left[n + 4\right]$$

$$3[n]+2=2([n]+4)$$

$$\begin{cases}
\frac{N \circ \omega}{2}; \\
(\pi + y)
\end{cases} = [\pi + 20]$$

$$= [\pi] + 20 = (3)$$





Example

$$y = [2x - 1] = 3[x - 6]$$
. Find the possible values of $[3x + y]$.

C. 103

D. 104

$$[2n-1] = 3[n-6]$$

$$\lceil 2n \rceil - 1 = 3 \lceil n \rceil - 18$$

$$\mathcal{N} = \prod_{i=1}^{n} + \sum_{j=1}^{n} \sum_{i=1}^{n} + \sum_{j=1}^{n} \sum_{i=1}^{n} + \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} + \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} + \sum_{j=1}^{n} \sum_{i=1}^{n} + \sum_{j=1}^{n} + \sum$$

$$[2(I+b)]-1 = 3I-18$$

$$[2n-1] = 3[n-6]$$

$$[2n] - 1 = 3[n] - 18$$

$$[2h] = [n-1]$$

$$[2h] = [n-1]$$

$$2b \in (0,1)$$

$$[2b] = 0$$



$$= 3 \times 17 - 18 = (33)$$

$$\frac{\text{Nov:}}{(3n+7)} = (3n) + 33$$

$$= (3n) + 33$$

$$= (3n) + 33 = (85)$$

$$= (17,17.5)$$

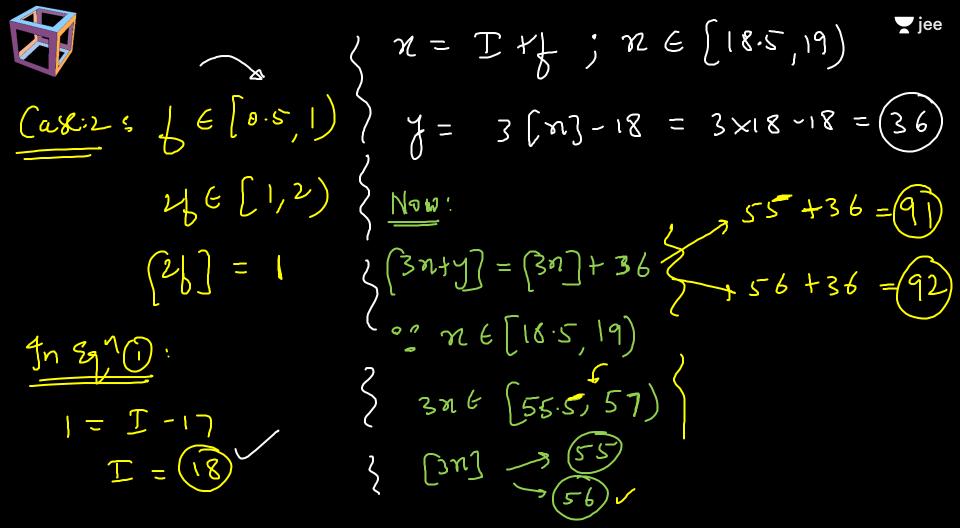
$$n+J = (3n) + 3$$

$$n \in (17,17.5)$$

$$3n \in (51,52.5)$$

n = Itb: x6[17,17.5] *je

J= 3 [n-6] = 3 [n] - 18

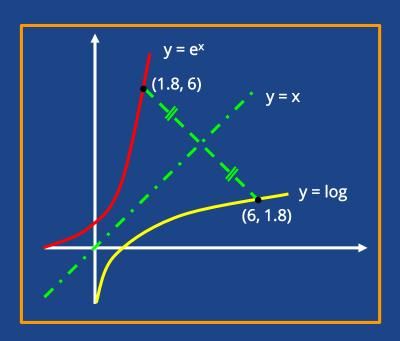








Homework Question (L-11)





Find the number of solutions of the equation: $sgn(x^2 - 3x + 2) = (2x - 1)$

A. 1

3. 2

c. 3

0

$$\frac{(n^2-3n+2)}{(n^2-3n+2)}$$

$$1=2n-1$$

$$\sqrt{n}=1$$

$$\frac{(n^2-3n+2)=0}{0=2n-1}$$

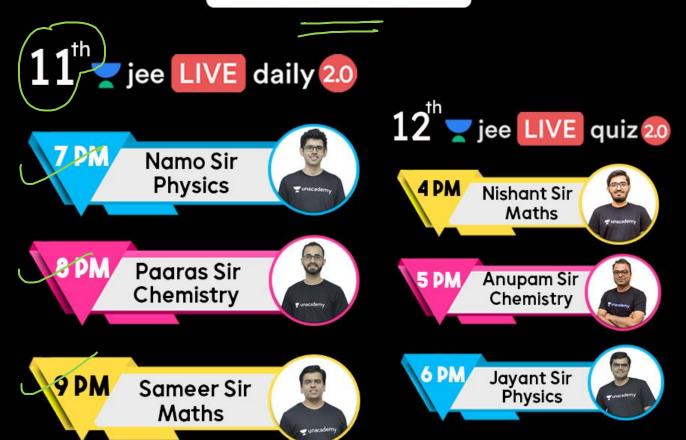
$$\frac{(n-1)}{2}$$

$$\frac{ak(:2)}{(n^2-3n+2)} < 0$$
 $-1 = 2n-1$
 $\boxed{n = 0}$





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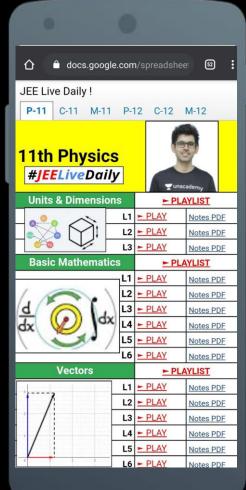


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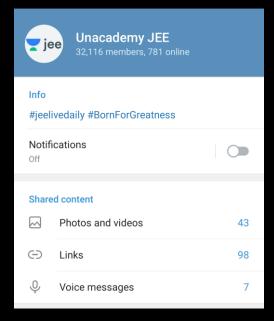
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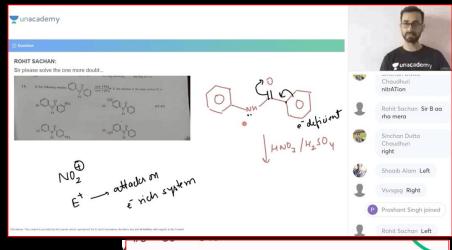


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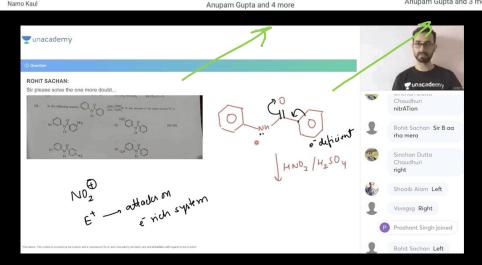


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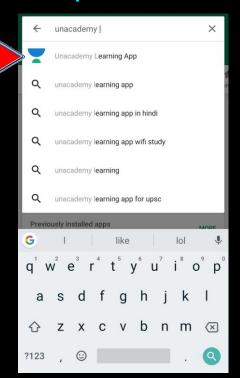
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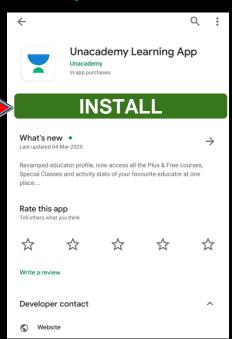




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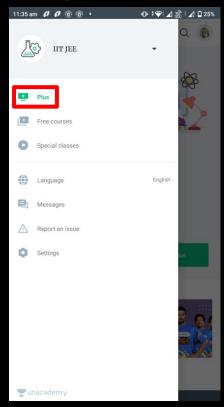


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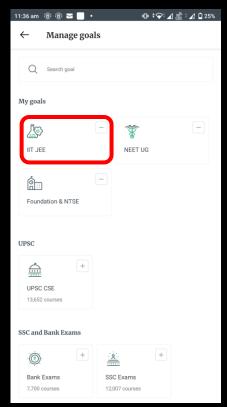




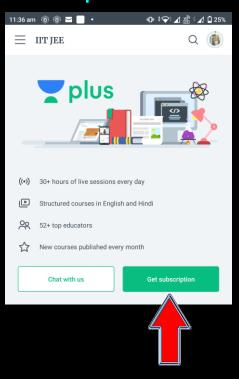
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Step 4

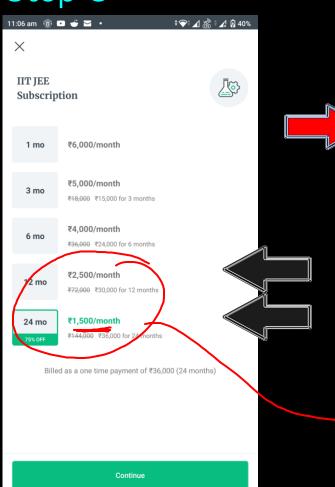


Step 5





Step 6



Step 7

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