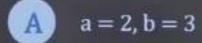
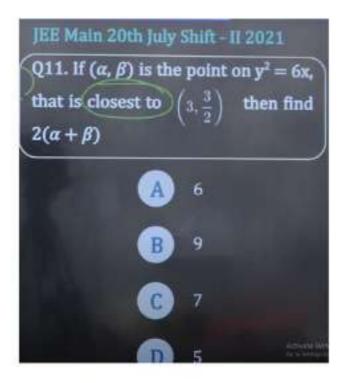


Q13. If x = ay - 1 = z - 2, and x = 3y - 2 = bz - 2 lie in same plane then the value of a, b, is



$$B \quad a=1, b=1$$

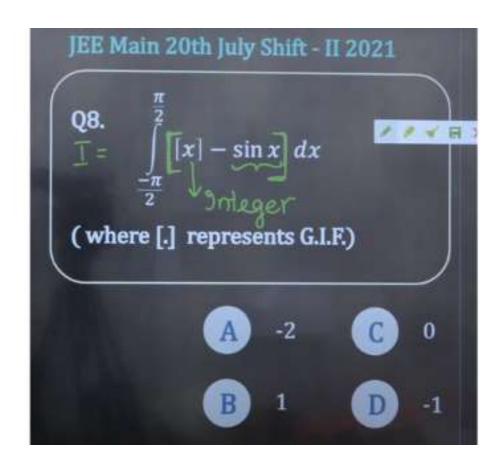
c
$$b = 1, a \in \mathbb{R} - \{0\}$$



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If
$$\lim_{x \to 0} \frac{\alpha x e^x - \beta \ln (1+x) + \gamma x^2 e^{-x}}{x^2 \sin x} = 10$$

then the value of $\alpha + \beta + \gamma$ is

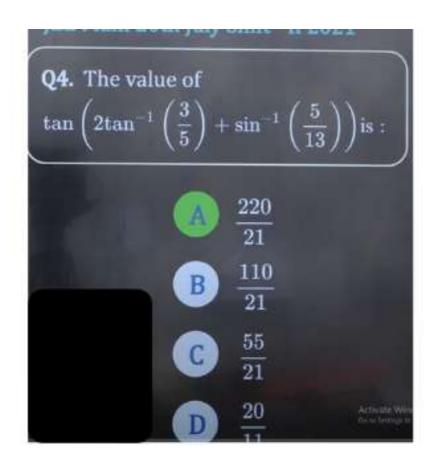


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Q6. If
$$f(x) = x + 1$$
 then find
$$\lim_{n \to \infty} \frac{1}{n} \left[f(0) + f\left(\frac{5}{n}\right) + f\left(\frac{10}{n}\right) + \dots + f\left(\frac{5(n-1)}{n}\right) \right]$$

Consider A $\frac{7}{2}$ Consider A $\frac{5}{2}$

B $\frac{3}{2}$ D $\frac{1}{2}$



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Q1.A: if 2 + 4 = 7, then 3 + 4 = 8B: if 3 + 5 = 8, then earth is flat C: if A and B are true, then 5 + 4 = 11

- A is true , B and C are false
- B is true, A and C are false
- C is true, A and B are false
- B is false. A and C are true

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Q3. In a $\triangle ABC$, if $\overrightarrow{AB} = 7$, $\overrightarrow{BC} = 5$ and $\overrightarrow{CA} = 3$ if projection of \overrightarrow{BC} on \overrightarrow{CA} is

 $\left(\frac{n}{2}\right)$ then the value of n is: