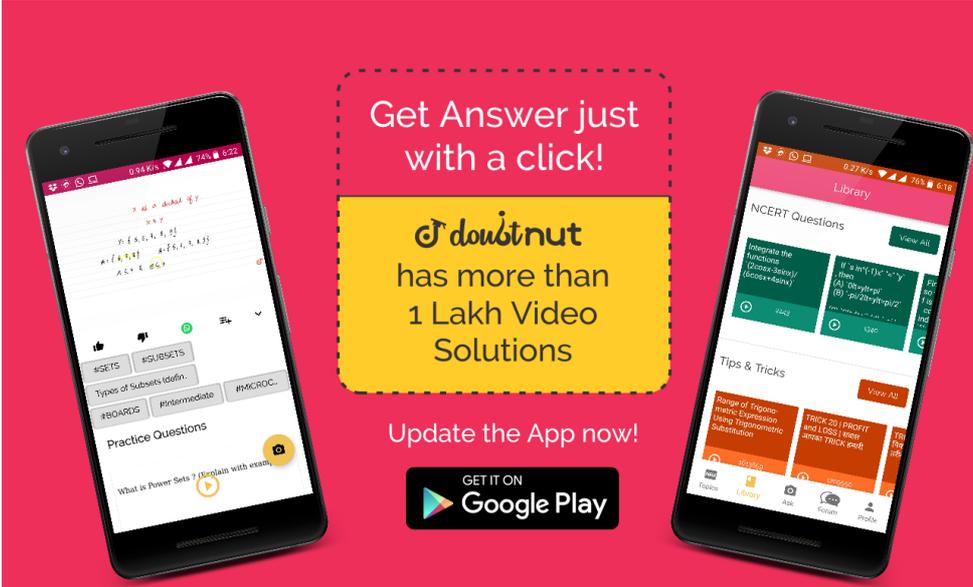


Ques No.	Question
1 - 13357	<p>CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4</p> <p>Find : $\int \frac{x}{(x^2 + 1)(x - 1)} dx$</p> <p>▶ Watch Free Video Solution on Doubtnut</p>
2 - 13362	<p>CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4</p> <p>Find : $\int \frac{x + 3}{\sqrt{5 - 4x - 2x^2}} dx$</p> <p>▶ Watch Free Video Solution on Doubtnut</p>
3 - 13366	<p>CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4</p> <p>Evaluate : $\int_0^{\frac{\pi}{4}} \log(1 + \tan x) dx.$</p> <p>▶ Watch Free Video Solution on Doubtnut</p>
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4 - 13367	<p>CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4</p>

Find : $\int \frac{x}{(x-1)^2(x+2)} dx$

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5 - 13369

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int \frac{x+2}{2x^2+6x+5} dx$

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6 - 13389

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_0^{\frac{\pi}{2}} \frac{dx}{1+\sqrt{\tan x}}$

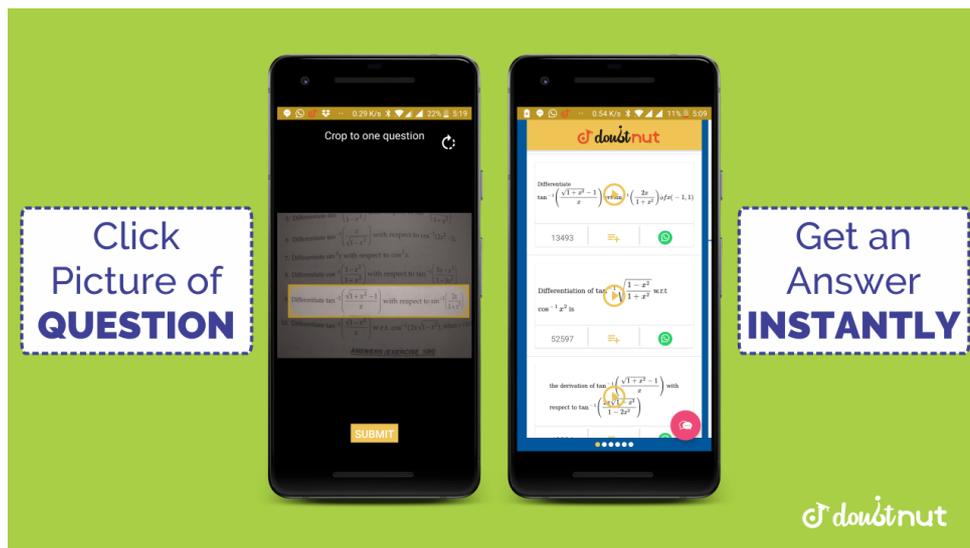
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7 - 13394

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find $\int \frac{(x^2+1)e^x}{(x+1)^2} dx$

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8 - 13416

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int \frac{\sin(x-a)}{\sin(x+a)} dx$

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9 - 13418

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int e^{2x} \sin(3x + 1) dx$

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10 - 13425

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \frac{\cos x}{1 + e^x} dx$

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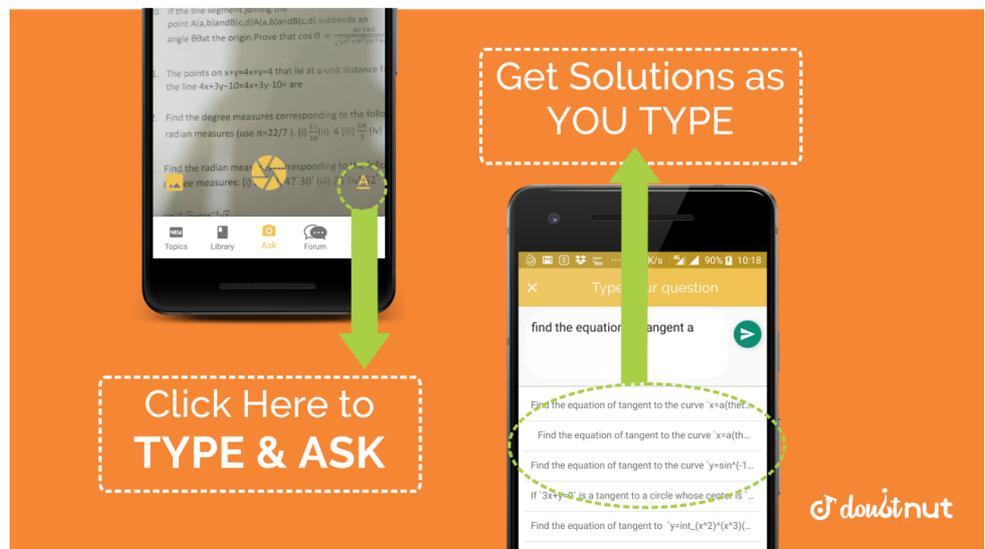
11 - 13426

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int \frac{x^2}{(x^2 + 4)(x^2 + 9)} dx$

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find the equation of tangent a

Find the equation of tangent to the curve 'x+a(th...

Find the equation of tangent to the curve 'y=sin^(-1...

If '3x+y^2' is a tangent to a circle whose center is 'B...

Find the equation of tangent to 'y=sin^(-1)(x^2)'(x^3)(...

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12 - 13435

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int (3x + 1) \sqrt{4 - 3x - 2x^2} dx$

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13 - 13439

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int \frac{x^2}{x^4 + x^2 - 2}$

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14 - 13443

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_0^{\frac{3}{2}} |x \cos \pi x| dx$

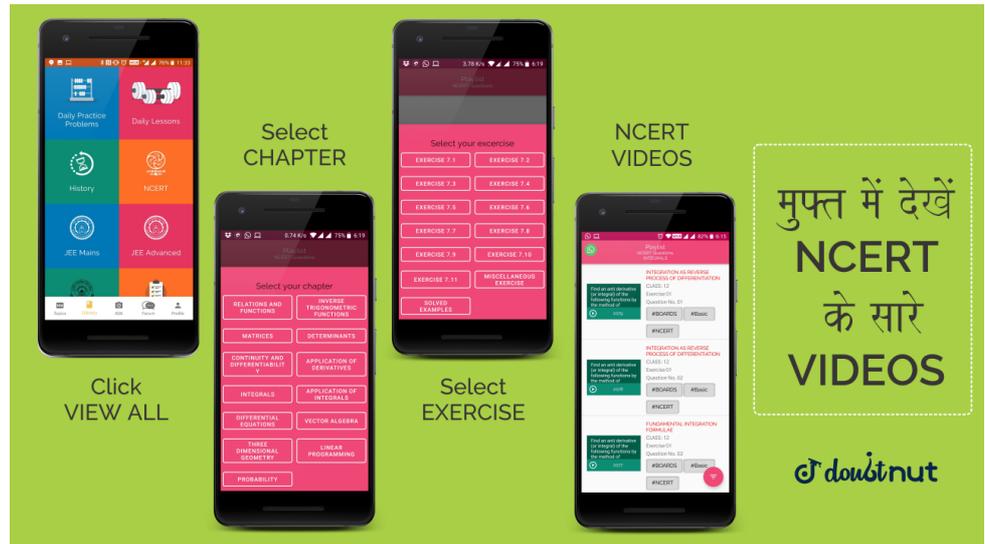
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15 - 13444

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_0^{\frac{\pi}{2}} \frac{\sin^2 x}{\sin x + \cos x} dx$

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16 - 13472

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int \frac{\sqrt{x}}{\sqrt{a^3 - x^3}} dx.$

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17 - 13480

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

$\int_{-1}^2 |x^3 - x| dx.$

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18 - 13489

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int \frac{(3 \sin \theta - 2) \cos \theta}{5 - \cos^2 \theta - 4 \sin \theta} dt h \eta \theta.$

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19 - 13490

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_0^{\pi} e^{2x} \sin\left(\frac{\pi}{4} + x\right) dx$

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20 - 13511

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int \frac{(x^2 + 1)(x^2 + 4)}{(x^2 + 3)(x^2 - 5)} dx$

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21 - 13512

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int (2x + 5) \sqrt{10 - 4x - 3x^2} dx$

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22 - 13518

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int \frac{x \sin^{-1} x}{\sqrt{1 - x^2}} dx$

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23 - 13520

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_0^{\pi} \frac{x}{1 + \sin \alpha \sin x} dx$

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CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

24 - 227982

Evaluate $\int_2^3 3^x dx$

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CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

25 - 228014

Evaluate $\int \frac{1}{x^2 - 4x + 8} dx$

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CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

26 - 228027

Evaluate: $\int \frac{2x}{(x^2 + 1)(x^2 + 2)} dx$

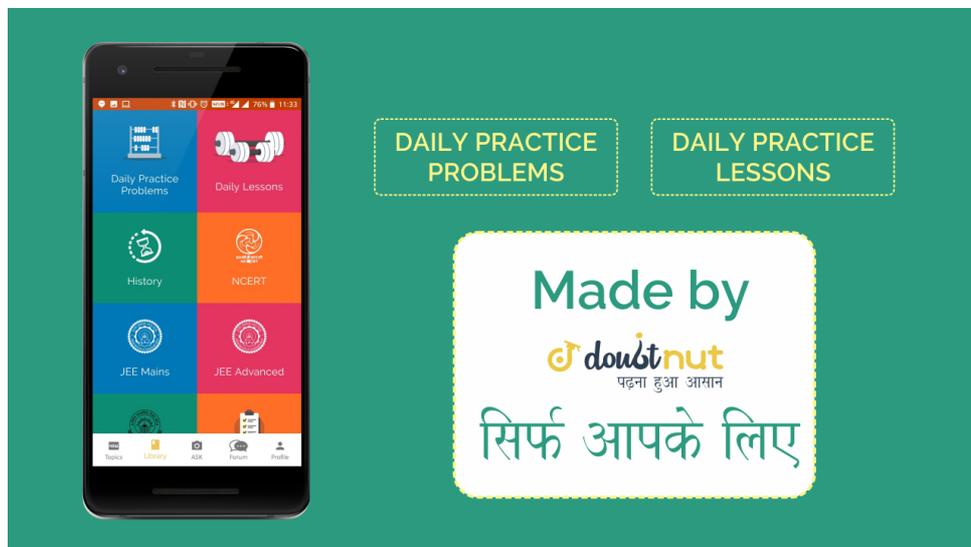
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CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

27 - 228030

Evaluate: $\int_0^\pi \frac{x \sin x}{1 + \cos^2 x} dx$

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28 - 228049

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int \frac{dx}{5 - 8x - x^2}$

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29 - 228081

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find : $\int \frac{\cos \theta}{(4 + \sin^2 \theta)(5 - 4 \cos^2 \theta)} d\theta$

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30 - 228086

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_0^\pi \frac{x \tan x}{\sec x + \tan x} dx$

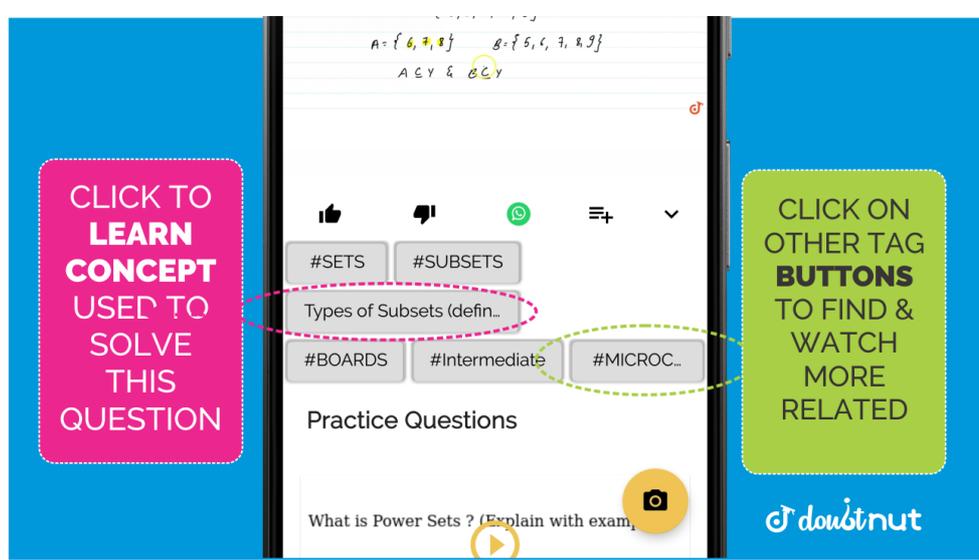
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31 - 228120

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate $\int_0^{2\pi} \sin^2 x \cos^4 x dx =$

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32 - 228150

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find $\int \frac{dx}{\sqrt{3 - 2x - x^2}}$

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33 - 228165

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate: $\int \frac{e^x}{\sqrt{4 - e^{2x}}} dx$

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34 - 228170

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_{-1}^2 |x^3 - x| dx$

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35 - 228345

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_0^{\frac{3}{2}} |x \sin \pi x| dx$

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36 - 228418

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Find $\int 2x \sin(3x + 1) dx$

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37 - 1166884

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Integrate the functions $\frac{\cos 2x + 2 \sin^2 x}{\cos^2 x}$

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38 - 1166954

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_0^{\frac{\pi}{4}} \frac{\sin x + \cos x}{16 + 9 \sin 2x}$

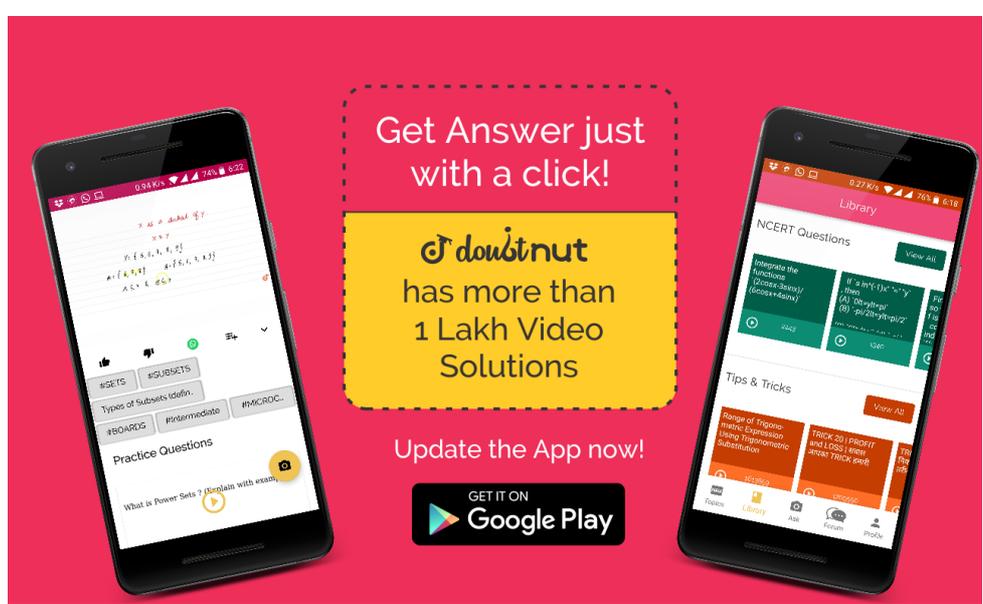
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39 - 1166960

CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

Evaluate : $\int_1^3 (x^2 + 3x + e^x) dx$ as the limit of the sum.

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CLASS 12 PRE-BOARDS SPECIAL - Chapter 7.4. INTEGRALS 4

40 - 1166973

Find $\int \frac{2 \cos x}{(1 - \sin x)(1 + \sin^2 x)} dx$

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