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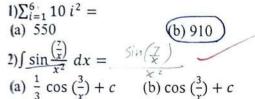
COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY

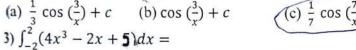


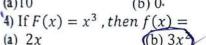
Muna Majdi Maran

Question (1)C:

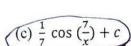
Choose the correct answer:







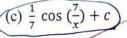


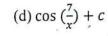


 $(c)4x^3$

(c)30

(c) 1400

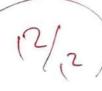




(d) 300

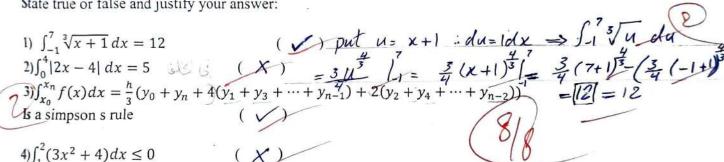




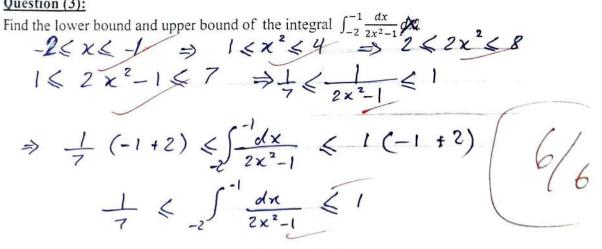


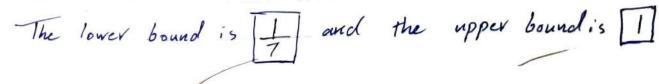
Question (2):

State true or false and justify your answer:



Question (3):





 $|(92)||2||2||x-4|| = \int 2x-4, x \ge 2$ $|(-2x-4)||x|| \le 2$ $|(-2x+4)||dx|| = \int (2x-4)|dx| + \int (-2x+4)|dx|$ $|(-2x+4)||dx|| = (2^{2}-4\cdot2) - (0) + (-4^{2}+4\cdot4) - (-2^{2}+4\cdot2)$ $|(-2^{2}+4\cdot2)| - (0) + (-4^{2}+4\cdot4) - (-2^{2}+4\cdot2)$ $|(-2^{2}+4\cdot2)| - (-4^{2}+4\cdot4) - (-4^{2}+4\cdot4) - (-4^{2}+4\cdot4)$ $|(-2^{2}+4\cdot2)| - (-4^{2}+4\cdot4) -$

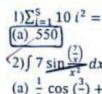


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Question (1)D:

Choose the correct answer:



(b) 910

(c) 1400

(d) 300

(b) $\cos(\frac{3}{2}) + c$

(c) $\frac{1}{7}\cos(\frac{7}{2}) + c$

(d) cos (-) + c

 $3)\int_{-3}^{3}(4x^3-2x+5)dx=$

4) If $F(x) = x^2$, then f(x) =

(d) 20

 $(c)4x^3$

Question (2):

State true or false and justify your answer

 $1) \int_{-1}^{7} \sqrt[3]{x+1} \, dx = 46$

 $2) \int_0^4 |2x - 4| \, dx = 8$

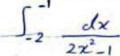
 $3) \int_{x_0}^{x_n} f(x) dx = \frac{h}{3} (y_0 + y_n + 2(y_1 + y_3 + \cdots$ Is a simpson s rule (X)

 $4) \int_{1}^{2} (3x^{2} + 4) dx \ge 0$

Question (3):

(-cosudu) = +cos (Find the lower bound and upper bound of the integral $\int_{-2}^{-1} \frac{dx}{2x^2-1} dx$.





as the lower bound

So =-25 x 6-1

ad the upper bound is [

8 22x 22

