$\mathbf{MATB41} \ \mathbf{WEEK} \ \mathbf{8} \ \mathbf{QUIZ} \ \mathbf{2} \ \mathbf{LEC02}$

Question 1

Evaluate

$$\int_{x=0}^{x=4} \left(\int_{y=\sqrt{x}}^{y=2} \cos(y^3 - 8) \, dy \right) dx$$

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