

MATEMATIK TAMBAHAN TINGKATAN 5

MARKAH

**BAB
3**

PENGAMIRAN

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Menentukan nilai kamiran
tentu bagi fungsi algebra

Jawab semua soalan dengan menaip
jawapan yang tepat dalam ruangan
yang disediakan

$$\begin{aligned} 1) \int_0^2 (x + 5) dx &= \left[\frac{\square}{\square} + \square \right] \square \\ &= \square + \square \\ &= \square \end{aligned}$$

$$\begin{aligned} 2) \int_4^5 \frac{10}{(x - 3)^2} dx &= \left[-\frac{\square}{\square} \right] \square \\ &= \square + \square \\ &= \square \end{aligned}$$

$$\begin{aligned}
 \mathbf{3)} \int_{-3}^{-1} (2x^2 - 1) dx &= \left[\frac{\text{green box}}{\text{blue box}} - \text{green box} \right] \begin{matrix} \text{blue box} \\ \text{blue box} \end{matrix} \\
 &= \frac{\text{blue box}}{\text{blue box}} - (\text{blue box}) \\
 &= \frac{\text{blue box}}{\text{blue box}}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{4)} \int_0^1 16(2 + 4x)^3 dx &= \left[(\text{green box})^{\text{orange box}} \right]_0^1 \\
 &= \text{blue box} + \text{blue box} \\
 &= \text{blue box}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{5)} \int_2^3 \frac{24}{(3x - 5)^3} dx &= \left[-\frac{\text{blue box}}{(\text{green box})^{\text{orange box}}} \right] \begin{matrix} \text{blue box} \\ \text{blue box} \end{matrix} \\
 &= -\frac{\text{blue box}}{\text{blue box}} - (\text{blue box}) \\
 &= \frac{\text{blue box}}{\text{blue box}}
 \end{aligned}$$