

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

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

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

$$\begin{aligned}
 \text{3) } \int_{-3}^{-1} (2x^2 - 1) \, dx &= \left[\frac{\boxed{}}{\boxed{}} - \boxed{} \right] \boxed{} \\
 &= \frac{\boxed{}}{\boxed{}} - (\boxed{}) \\
 &= \frac{\boxed{}}{\boxed{}}
 \end{aligned}$$

$$\begin{aligned}
 \text{4) } \int_0^1 16(2 + 4x)^3 \, dx &= \left[\left(\boxed{} \right)^{\boxed{}} \right]_0^1 \\
 &= \boxed{} + \boxed{} \\
 &= \boxed{}
 \end{aligned}$$

$$\begin{aligned}
 \text{5) } \int_2^3 \frac{24}{(3x - 5)^3} \, dx &= \left[-\frac{\boxed{}}{(\boxed{})^{\boxed{}}} \right] \boxed{} \\
 &= -\frac{\boxed{}}{\boxed{}} - (\boxed{}) \\
 &= \frac{\boxed{}}{\boxed{}}
 \end{aligned}$$