

微積分Ⅱ演習 第9回 解答

課題 9.1.

$$(1) \quad 3 \log 3 - 4 \log 2 \qquad (2) \quad \frac{1}{(n+1)(n+2)}(5^{n+2} - 2 \cdot 3^{n+2} + 1)$$

課題 9.2.

$$(1) \quad \frac{1}{12} \qquad (2) \quad \frac{1}{8}$$

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レポート 9.1.

$$\begin{array}{llll} (1) \quad 18 & (2) \quad 2(e-1) & (3) \quad \frac{\pi^2}{12} & (4) \quad 1 \\ (5) \quad 0 & (6) \quad e-2 & (7) \quad 2 & (8) \quad \frac{\pi}{4} - \frac{1}{2} \end{array}$$

レポート 9.2.

$$\begin{array}{lll} (1) \quad -\frac{9}{10} & (2) \quad \frac{1}{6} & (3) \quad \frac{18}{35} \\ (4) \quad 4 - \log 3 & (5) \quad \frac{\pi}{16\sqrt{2}} & (6) \quad \frac{3}{8} \end{array}$$

レポート 9.3.

$$(1) \quad 2e^{\frac{1}{\sqrt{2}}} - \sqrt{2}e \qquad (2) \quad \frac{8}{15}$$