次の積分をせよ。

(i) $\displaystyle\int_3^2 \left(8x^2+11x+\frac{13}{4}\right)dx =$

$\langle \qquad\qquad \rangle$

(ii) $\displaystyle\int_{-1}^3 (3x+5)\,dx =$

$\langle \qquad\qquad \rangle$

(iii) $\displaystyle\int_2^{-2} \left(2x^3+2x^2+4x+\frac{1}{2}\right)dx =$

$\langle \qquad\qquad \rangle$

(iv) $\displaystyle\int_{-3}^3 \left(\frac{1}{3}x^2+9x+\frac{9}{4}\right)dx =$

$\langle \qquad\qquad \rangle$

(v) $\displaystyle\int_{-1}^0 \left(8x^3+13x^2+\frac{7}{2}x+\frac{5}{3}\right)dx =$

$\langle \qquad\qquad \rangle$

(vi) $\displaystyle\int_{-2}^0 \left(2x^3+\frac{3}{7}x^2+\frac{4}{3}x+12\right)dx =$

$\langle \qquad\qquad \rangle$

(vii) $\displaystyle\int_{-1}^0 \left(12x^2+11\right)dx =$

$\langle \qquad\qquad \rangle$

(viii) $\displaystyle\int_1^0 (4x+)\,dx =$

$\langle \qquad\qquad \rangle$

(ix) $\displaystyle\int_{-1}^0 \left(\frac{13}{2}x^3+3x^2+12x+12\right)dx =$

$\langle \qquad\qquad \rangle$

(x) $\displaystyle\int_1^3 \left(3x^2+5x+\right)dx =$

$\langle \qquad\qquad \rangle$

(xi) $\displaystyle\int_1^{-1} \left(11x^2+5x+2\right)dx =$

$\langle \qquad\qquad \rangle$

(xii) $\displaystyle\int_0^{-1} \left(\frac{13}{2}x^2+\frac{5}{2}x+\frac{9}{5}\right)dx =$

$\langle \qquad\qquad \rangle$

(xiii) $\displaystyle\int_{-1}^1 \left(1x^3+\frac{10}{3}x^2+4x+7\right)dx =$

$\langle \qquad\qquad \rangle$

(xiv) $\displaystyle\int_0^2 \left(1x^2+\frac{3}{2}x+11\right)dx =$

$\langle \qquad\qquad \rangle$

(xv) $\displaystyle\int_2^{-1} \left(1x^2+\frac{4}{3}x+14\right)dx =$

$\langle \qquad\qquad \rangle$

(xvi) $\displaystyle\int_{-2}^2 \left(2x^2+\frac{4}{5}x+\frac{7}{4}\right)dx =$

$\langle \qquad\qquad \rangle$

次の積分をせよ。

(i) $\displaystyle\int_3^2 \left(8x^2+11x+\frac{13}{4}\right)dx =$

$\langle \quad -\frac{977}{12} \quad \rangle$

(ii) $\displaystyle\int_{-1}^3 (3x+5)\,dx =$

$\langle \quad 32 \quad \rangle$

(iii) $\displaystyle\int_2^{-2} \left(2x^3+2x^2+4x+\frac{1}{2}\right)dx =$

$\langle \quad -\frac{38}{3} \quad \rangle$

(iv) $\displaystyle\int_{-3}^3 \left(\frac{1}{3}x^2+9x+\frac{9}{4}\right)dx =$

$\langle \quad \frac{39}{2} \quad \rangle$

(v) $\displaystyle\int_{-1}^0 \left(8x^3+13x^2+\frac{7}{2}x+\frac{5}{3}\right)dx =$

$\langle \quad \frac{9}{4} \quad \rangle$

(vi) $\displaystyle\int_{-2}^0 \left(2x^3+\frac{3}{7}x^2+\frac{4}{3}x+12\right)dx =$

$\langle \quad \frac{304}{21} \quad \rangle$

(vii) $\displaystyle\int_{-1}^0 \left(12x^2+11\right)dx =$

$\langle \quad 15 \quad \rangle$

(viii) $\displaystyle\int_1^0 (4x+)\,dx =$

$\langle \quad -2 \quad \rangle$

(ix) $\displaystyle\int_{-1}^0 \left(\frac{13}{2}x^3+3x^2+12x+12\right)dx =$

$\langle \quad \frac{43}{8} \quad \rangle$

(x) $\displaystyle\int_1^3 \left(3x^2+5x+\right)dx =$

$\langle \quad 46 \quad \rangle$

(xi) $\displaystyle\int_1^{-1} \left(11x^2+5x+2\right)dx =$

$\langle \quad -\frac{34}{3} \quad \rangle$

(xii) $\displaystyle\int_0^{-1} \left(\frac{13}{2}x^2+\frac{5}{2}x+\frac{9}{5}\right)dx =$

$\langle \quad -\frac{163}{60} \quad \rangle$

(xiii) $\displaystyle\int_{-1}^1 \left(1x^3+\frac{10}{3}x^2+4x+7\right)dx =$

$\langle \quad \frac{146}{9} \quad \rangle$

(xiv) $\displaystyle\int_0^2 \left(1x^2+\frac{3}{2}x+11\right)dx =$

$\langle \quad \frac{83}{3} \quad \rangle$

(xv) $\displaystyle\int_2^{-1} \left(1x^2+\frac{4}{3}x+14\right)dx =$

$\langle \quad -47 \quad \rangle$

(xvi) $\displaystyle\int_{-2}^2 \left(2x^2+\frac{4}{5}x+\frac{7}{4}\right)dx =$

$\langle \quad \frac{53}{3} \quad \rangle$