$1. \int \frac{x}{x^2 + 1} \, dx$

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4. $\int \frac{1}{\sqrt{6x-x^2-8}} dx$

答_____

2. $\int \frac{1}{4x^2 + 9} dx$ $\int \frac{dx}{x^2 + 1} = \boxed{\qquad \qquad $\not S \not S$}$

答 _____

5. $\int \frac{1}{(x+3)(x+4)} dx$

答 _____

3.
$$\int \frac{1}{\sqrt{9-x^2}} dx$$

$$\int \frac{dx}{\sqrt{1-x^2}} = \boxed{\qquad \qquad } £0$$

答

6. $\int \frac{1}{(x-1)(2x+1)} \, dx$

答 _____

答 _____

7. 次の部分積分を求めよ.

(1)	$\int x \cos 2x dx$
(-)	, w cos - w aw

(2)	$\int x \sin 7x dx$

答. _____

$$(3) \int xe^{2x} \, dx$$

$$(4) \int xe^{-x} \, dx$$

$$(5) \int (x+1)\log x \, dx$$

$$(6) \int 5x \log 3x \, dx$$

答. _____

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