

数学 練習問題 6/22

組 番 氏 名 _____

1. 次の関数を微分せよ。

$$(1) y = \frac{2x-1}{x-4}$$

答 . _____

$$(2) y = \sqrt{\frac{x+1}{x-4}}$$

答 . _____

$$(3) y = (3x-1)^3$$

答 . _____

$$(4) y = \text{Sin}^{-1}(x^2 + 2x - 3)$$

答 . _____

$$(5) y = \text{Tan}^{-1}\left(\frac{3x}{x+4}\right)$$

答 . _____

$$(6) y = \sin(2x+1)$$

答 . _____

(7) $y = \tan(x^2 + 3)$

答. _____

(8) $y = e^{2x^2 - x + 1}$

答. _____

(9) $y = 3^{x-1}$

答. _____

(10) $y = \log(3x - 4)$

答. _____

(11) $y = \log_3(x^2 - x + 2)$

答. _____

(12) $y = x^{\sqrt{x}}$

答. _____