

組 番 ^{ふり} ^{がな} 氏 名 _____

1. 次の関数を微分せよ。

(1) $y = \sin(3x^2 + 1)$

答 . _____

(2) $y = \cos(x^3 - x)$

答 . _____

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

答 . _____

(4) $y = \text{Sin}^{-1}(5x - 2)$

答 . _____

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

答 . _____

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

答 . _____

(7) $y = \text{Sin}^{-1}x \times \text{Cos}^{-1}x$

答 . _____

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

答. _____

(9) $y = 3e^{x^2-x}$

答. _____

(10) $y = e^{\frac{1}{x}}$

答. _____

(11) $y = 3^x$

答. _____

(12) $y = 5^{7x-1}$

答. _____

(13) $y = 2^{x^2+5}$

答. _____

(14) $y = e^x \sin x$

答. _____