微分 導関数（16問）　版Hの答え

※ 定数項は微分すると0になります。消し忘れていないかを見てください。

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(1) $y = (3x - 4)(3x + 5)$
$y' = 18x + 3$

(2) $y = (x + 4)(3x - 4)$
$y' = 6x + 8$

(3) $y = -4x^3 + 5x^2 + 6x - 9$
$y' = -12x^2 + 10x + 6$

(4) $y = -4x^3 + 7x^2 - 2x - 1$
$y' = -12x^2 + 14x - 2$

(5) $y = x^3 + 7x^2 - 6x + 1$
$y' = 3x^2 + 14x - 6$

(6) $y = -x^3 + x^2 + x + 4$
$y' = -3x^2 + 2x + 1$

(7) $y = (2x - 4)(x - 4)$
$y' = 4x - 12$

(8) $y = -x^3 - 2x^2 - 6x - 9$
$y' = -3x^2 - 4x - 6$

(9) $y = -x^4 - 2x^3 + 2x^2 - x - 5$
$y' = -4x^3 - 6x^2 + 4x - 1$

(10) $y = -x^2 + 4x - 7$
$y' = -2x + 4$

(11) $y = (2x + 2)(x + 2)$
$y' = 4x + 6$

(12) $y = -4x^3 + 2x^2 - 9x + 2$
$y' = -12x^2 + 4x - 9$

(13) $y = -x^3 + x^2 + 9x - 3$
$y' = -3x^2 + 2x + 9$

(14) $y = -2x^3 - 9x^2 - 8x + 3$
$y' = -6x^2 - 18x - 8$

(15) $y = -x^3 + 9x^2 - 5x + 6$
$y' = -3x^2 + 18x - 5$

(16) $y = -x^3 + 9x^2 - 8x - 1$
$y' = -3x^2 + 18x - 8$