$2-x-3x^3)(7+x^5)$

$-9x^2)(7+x^5)+(2-x-3x^3)(5x^4)$

$3x^2-9x^7+10x^4-5x^5-15x^7$

$^5+10x^4-63x^2-7$

④ $y=(x^{-1}+x^{-2})(3x^3+27)$

$y'=(-1x^{-2}-2x^{-3})(3x^3+27)+(x$

$y'=-3x-27x^{-2}=6-54x^{-3}+9x$

$y'=6x+3-27x^{-2}-54x^{-3}$

$^5+2x)^2$

$\cdot 2x)(x^5+2x)$

$)(x^5+2x)+(x^5+2x)(5x^4+2)$

$+2x^5+4x+5x^9+2x^5+10x^5+4x$

^5+8x

⑧ $y=\dfrac{3}{(x^{\frac{1}{2}}+2)}$

$y'=\dfrac{(x^{\frac{1}{2}}+2)\cdot 0-3\cdot\frac{1}{2}x^{-1/2}}{(\sqrt{x}+2)^2}$

$y'=\dfrac{-3/2\,x^{-1/2}}{(\sqrt{x}+2)^2}=\dfrac{\frac{-3}{2\sqrt{x}}}{(\sqrt{x}+2)^2}$

$+1$

$$: -\frac{(x^2+1)\cdot 3}{3x)^2}$$

$$\frac{2}{}-3 = \frac{3x^2-3}{9x^2} = \frac{x^2-1}{3x^2}$$