16. $y = \arctan \dfrac{x}{2}$ $u = \dfrac{1}{2}x$

[E]

$$y' = \dfrac{1}{1 + \frac{x^2}{4}} \cdot \dfrac{1}{2}$$

$$y' = \dfrac{1}{2 + \frac{x^2}{2}}$$

$$y' = \dfrac{2}{4 + x^2}$$

(1) 17. $y = x^2 + 4$ original function   inverse

$29 = x^2 + 4$ $(5, 29)$ $(29, 5)$

$25 = x^2$

$5 = x$ $\left(f^{-1}(x)\right)'(x) = \boxed{\dfrac{1}{10}}$

$y' = 2x$

$y' = 10$

(2) 18. $y = 2x^3 + 5x + 1$ original   inverse

$8 = 2x^3 + 5x + 1$ $(1, 8)$ $(8, 1)$

$1 = x$

$y' = 6x^2 + 5$ $\left(f^{-1}(x)\right)'(x) = \boxed{\dfrac{1}{11}}$

$y' = 6(1)^2 + 5$

$y' = 11$