$Q(7)$:
$f(x) = ax^3 + bx$
On differentiating w.r.t to x,
$f'(x) = 3ax^{3-1} + b(1)$
$= 3ax^2 + b$.
Option$(d)$is correct.

$Q(8)$:
$y = \dfrac{2x^5 + x^2 - 5}{x^2}$
$y = \dfrac{2x^5}{x^2} + \dfrac{x^2}{x^2} - \dfrac{5}{x^2}$
$y = 2x^3 + 1 - 5x^{-2}$
On differentiating w.r.t to$x$,
$\dfrac{dy}{dx} = 2(3x^{3-1}) + 0 - 5(-2)x^{-2-1}$
$\dfrac{dy}{dx} = 6x^2 + 10x^{-3}$.
Option $(d)$is correct.