

4. (2ea) Given the function $f(x) = 2x^5 + 4x^3 + x$:

(a) Find $f'(x)$.

(b) How can you tell from the derivative that $f(x)$ is invertible?

(c) Find $f(1)$.

(d) Find $f'(1)$.

(e) Find $(f^{-1})'(7)$.