

Math 170 Worksheet 0.5: Derivatives I

Sayan Mukherjee's discussion

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Problem. Find the derivatives of the following functions:

(a) $f(x) = x^{10} + 7x^4 - x$

(b) $g(x) = 10$

(c) $h(x) = (2x + 1)(x^2 - 7)$

(d) $k(x) = (2x - 1)^2(x^2 + 1)$

(e) $\ell(x) = \frac{2}{x}$