

Quiz #5

Please print your name:

Problem 1. (12 points) Compute the following derivatives.

[no need to show work]

(a) $\frac{d}{dx} [x^5 - 3x^2] =$

(b) $\frac{d}{dx} \frac{1}{x^4} =$

(c) $\frac{d}{dx} e^{7x} =$

(d) $\frac{d}{dx} [x^3 \cos(x)] =$

(e) $\frac{d}{dx} \frac{x}{2 + \sin(x)} =$

(f) $\frac{d}{dx} \sqrt{3 + \sin(5x)} =$

(scratch space)