

QUIZ NUMBER EIGHT FOR MTH102 SPRING 007

AYMAN BADAWI

Name _____, Id. Num. _____, Score $\overline{15}$

QUESTION 1. Find the first derivative, DO NOT SIMPLIFY:

1) $f(x) = 3(x^3 - 7x^2 + 3x)$

2) $f(x) = 3x \ln(3x + 7) - e^{3x^2}$

3) $f(x) = 5xe^{3x+8} - \ln((x+x)^3(3x+8)^5)$

4) $x^2y + \ln(y) - 3x^4 + x - 7 = 0$ (find y')

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