EXP & LOGS Summary 2020

Name _____

Date _____

- 1. Differentiate with respect to *x*. Answer in simplest form.
 - a) $y = e^{4x^3}$
 - b) $y = \frac{e^{2x}}{3x+1}$ c) $y = 7^{2x}$
 - d) $y = \ln\left(\frac{4}{\sqrt{2x}}\right)$
 - e) $y = log(3x^2)$

f)
$$y = ln(cosx)$$

- 2. Differentiate with respect to *x*. Answer in simplest form.
 - a) $y = \frac{1}{x\sqrt{6}}$
 - b) $y = x^{x^4}$