

Mathematics Department
2020/2021

Name:

Chain Rule Review

Date

Q1:



if $f(x) = e^{x^2}$ find $f'(x)$

a) e^{x^2}

b) $2e^{x^2}$

c) $2xe^{x^2}$

d) $2x + e^{x^2}$

Q2: -

if $f(x) = \sin(x^2)$ find $f'(x)$

a) $2x \sin x^2$

b) $2x \cos x^2$

c) $-2x \cos x^2$

d) $2x + \cos x^2$

