a) Sketch the periodic function y=ex, ‐2< x <2 and y(x)=y(x+4) for

values of x from ‐6 to 6.

State the period and whether the function is odd even or neither

b) give the Fourier series for the odd periodic extension of: y=ex, 0< x <2

c) Confirm Dirichlets theorem on both types of discontinuity