

20) Prove  $f: \mathbb{R} \rightarrow \mathbb{R}$ ,  $f(x) = x^2$  is  
not uniformly continuous.

21) Ross 18.10

22) Ross 19.2

23) Ross 19.3

24) Prove that  $f: (0, 1) \rightarrow \mathbb{R}$ ,  $f(x) = \frac{1}{x^2}$   
is not uniformly continuous.