Response to homework: 20math401retHW1$_{2.pdf}$

KBe20math401srcDeltaEpsilonReview1.png $|x-2||x+4|<\epsilon$ so near $x=2$, $|x-2|$ is smol, so the primary term contributing to the value of the total function is $|x+4|$. Using the above condition, $|x-2|<1 \Rightarrow 1<x<3 \Rightarrow 5<x+4<7$

So, $|x+4|$ is at most 7, we could try substituting it in and getting $7|x-2|<\epsilon$. Also do the other side: $5|x-2|<\epsilon$

You also need to do this: KBe20math401srcDeltaEpsilonProof2.png for the actual proof.
