Source: [KBe2020math401index]

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.

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