

## MATH 287 HOMEWORK 9

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*Exercise 1.* Find or create a graphic to include, that you want to share. It can be a math image that you like such as a cool plot or interesting diagram, or a picture of an important mathematician. Or it can be a meme or joke. It doesn't have to be math-related. However all images must be completely appropriate for sharing.

*Answer.*

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*Date:* November 13, 2021.

*Exercise* 2. Proposition 10.8 parts (ii)-(iii)

*Proof.*

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*Exercise 3.* Claim:  $-y < x < y$  if and only if  $|x| < y$ .

*Proof.*

□

*Exercise 4.* Proposition 10.10 parts (i)-(iii)

*Proof.*

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