

Assignment-5

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1

$$\begin{aligned}f(x) &= -5x^2 + 5x \\f^*(y) &= \sup_{x \in \mathbb{R}} (yx - f(x)) \\&= \sup_{x \in \mathbb{R}} (yx + 5x^2 - 5x) \\&= +\infty, \quad (x \rightarrow +\infty)\end{aligned}$$

Can't plot.

2

3

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