

Math 10A

Worksheet, Discussion #8; Wednesday, 6/27/2018

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1 Graphing Functions

1. Sketch the graph of $f(x) = e^x + 2e^{-x}$.
2. Sketch the graph of $f(x) = x - x^3$.
3. Sketch the graph of $f(x) = -12x - \frac{9x^2}{2} + x^3$.
4. Sketch the graph of $f(x) = \frac{1}{1+x^2}$.
5. Sketch the graph of $f(x) = x + \frac{1}{2+x}$.
6. Sketch the graph of $f(x) = \frac{x-3}{x+1}$.