Test 3

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Exercise 1

The Jacobian matrix of $f(x)$ is $\frac{df(g(h(x)))}{dx^T}$. $\frac{df^T(g(h(x)))}{dx}$ is the transposed Jacobian matrix.
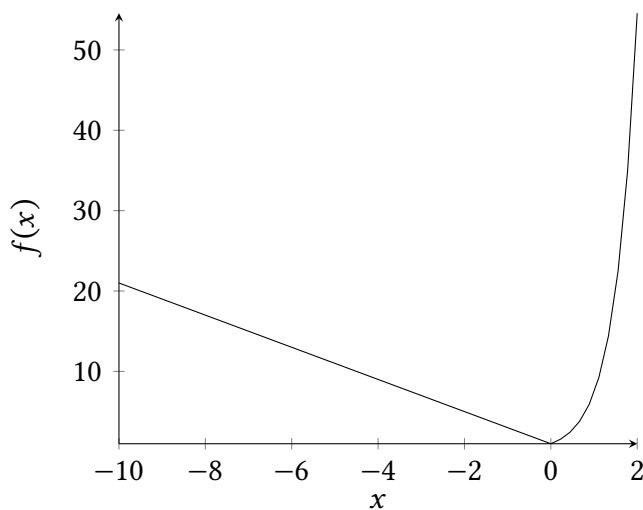Answer: d

Exercise 2

The matrix A is not necessarily symmetric.
Answer: c

Exercise 3

Answer: d

Exercise 4

Answer: d

Exercise 5

Answer: a