

NAME:

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Quiz 10

1. Find the absolute maxima and minima for the function $f(x) = x + \frac{1}{x}$ on the interval $[\frac{1}{2}, 2]$.

2. Find the limit:

$$\lim_{x \rightarrow \infty} \left(\sqrt{4x^2 + 5x} - 2x \right)$$