Math 32 Quick Quiz

GSI: Theo Johnson-Freyd

http://math.berkeley.edu/~theojf/08Fall32/

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1. Solve for x: $4|x - 2| = 3x - 4$

2. Solve for x, writing your answer using interval notation: $-3 \leq 2x + 1 \leq 5$

3. Determine the domain and range of the function $f(x) = \dfrac{1 - x}{1 + x}$.

4. Sketch a graph the function $y = 2 + \dfrac{1}{x - 1}$.

5. Find the average rate of change in $f(x) = 2x^2 - 3$ when x changes from 3 to 4.