

Math 0110A Quiz 1

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1. Let

$$f(x) = \frac{1}{2x+1} \quad \text{and} \quad g(x) = \sqrt{x} + x$$

Give a formula for $(g \circ f)(x)$ in terms of x (that is, not involving the symbols f and g). You do not need to simplify!

2. The graph of $f(x)$ looks like the following picture. Give a formula for $f(x)$.

