

# Math 1513 - College Algebra

Quiz #14 - 2018.10.12

Solutions

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Express the function  $F(x) = \frac{x^2 + 3}{2x^2 - 1} + 6x^2 + 1$  as the composition of two functions  $f(x)$  and  $g(x)$ , i.e.  $F(x) = (f \circ g)(x)$ .

There are many examples that would work, but for instance,  $g(x) = x^2$  and  $f(x) = \frac{x + 3}{2x - 1} + 6x + 1$  works.