

Math 2020, Winter 2007, Quiz 1

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1. Suppose that $\int_2^3 f(x) dx = 10$ and $\int_2^3 2f(x) - g(x) dx = 40$. Find $\int_2^3 g(x) dx$.
2. Suppose that $3 \leq f(x) \leq 5$ for $2 \leq x \leq 6$. What can you say about $\int_2^6 f(x) dx$?