Remove everything from your desk except this page and a pencil or pen. The solution will be posted soon after the quiz is given.

Circle your answer. Show your work. Your work must be correct and coherent.

The quiz is worth 5 points.

Find
$$\int_0^{13} \frac{dx}{\sqrt[3]{(1+2x)^2}}$$
.

Answer: Let u = 1 + 2x. Then du = 2dx. When x = 0, then u = 1. When x = 13, then u = 27. The integral is equal to

$$\frac{1}{2} \int_{1}^{27} u^{-2/3} du = \frac{1}{2} 3u^{1/3} \Big|_{1}^{27} = \frac{3}{2} (3 - 1) = \boxed{3}.$$