Quiz 13 — MA16010 — November 8, 2017
Alden Bradford

1. (2 points) Find the derivative of $-\frac{1}{2}\cos(x^2)$.

2. (2 points) Use your answer from part 1 to find $\int 8x \sin(x^2)\, dx$.

3. (1 point) $y'(x) = 8x \sin(x^2)$ and $y(0) = 4$. Use your answer from part 2 to find $y(x)$.