Quiz 5 — MA261 — July 11, 2017

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1. Evaluate $\iint_R \sin\left(x^2+y^2\right)\, dA$, where R is the region in the first quadrant between the circles with center the origin and radii 1 and 3.

2. Evaluate $\int_0^2 \int_0^3 \int_0^z (2x-y)\, dxdydz$.