

Quiz 17 Key — MA16020 — April 4, 2018

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Min	Mean	Max
2	7.1	10

1. (4 points) Evaluate the double integral $\int_{\pi/2}^{\pi} \int_{-1}^1 x^2 \cos(y) \, dx dy$.

$-2/3$

2. Do NOT solve the double integral $\int_0^{3/2} \int_{4y}^6 e^{x^2} \, dx dy$.

- (a) (2 points) Sketch the region for the double integral. Make sure to give a scale, either by marking the axes or by labeling points.
- (b) (4 points) Use your sketch to change the order of integration.

