

1. Evaluate the following double integral:

$$\int_0^1 \int_0^1 x^2 e^{xy} dy dx$$

2. Evaluate the following double integral:

$$\int_{-3}^3 \int_0^{4x} (y - x) \, dy \, dx$$

Q: April says May is a liar. May says June is a liar. June says April and May are both liars. If only one person is telling the truth, who is it?