

Subject:

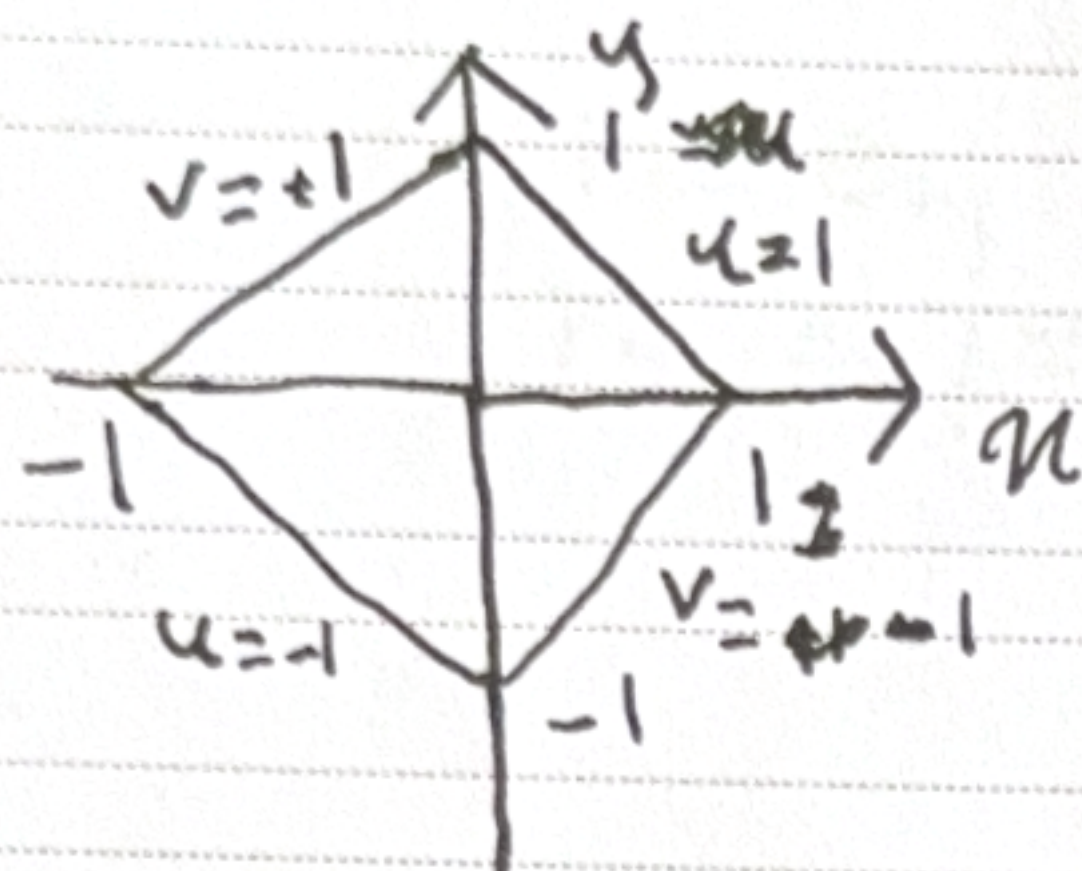
Session 53

Year.

Month.

Date.

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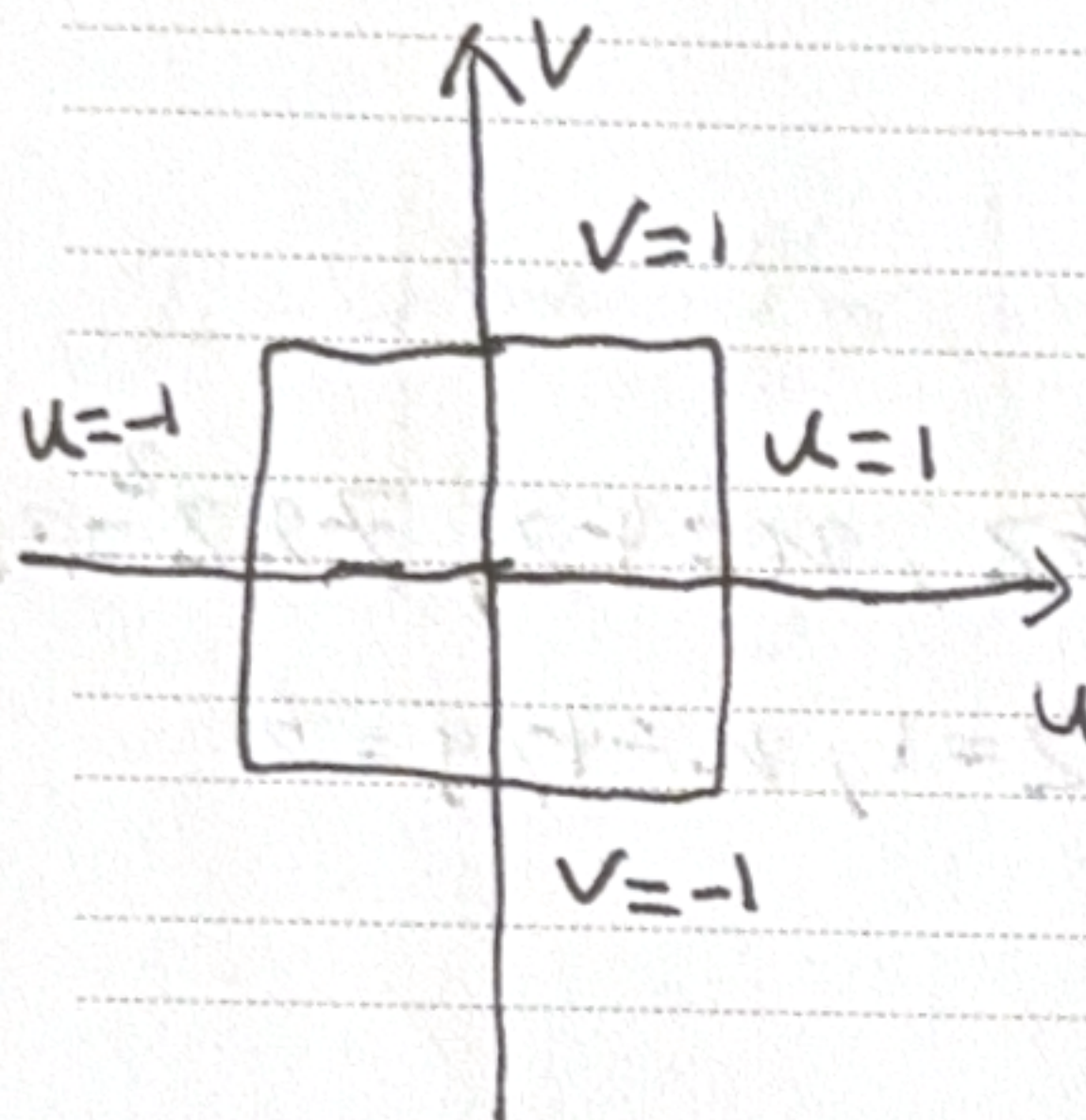
$$u = x+y$$

$$v = x-y$$

$$\begin{vmatrix} u_x & v_x \\ u_y & v_y \end{vmatrix} = -2$$

$$dx dy = \frac{1}{2} du dv$$

$$\int_{-1}^1 \int_{-1}^1 \left( \frac{u}{2-v} \right)^4 \frac{1}{2} du dv$$



$$\text{Inner: } \frac{1}{5(2-v)^4}$$

$$\text{outer: } \frac{26}{405} \approx .06$$