

October 10

Which of the following integrals are equal? Why?

$$\int_{-1}^2 \frac{2x}{4-x^2} dx$$

$$\int_{-1}^2 \frac{-1}{u} du$$

$$\int_0^3 \frac{1}{u} du$$

$$\int_3^0 \frac{-1}{u} du$$

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Students will verbally explain how to evaluate definite integrals with u-substitution

(using the words:
antiderivative, constant, substitution...)

