Principles of Calculus Modeling: An Interactive Approach by Donald Kreider, Dwight Lahr, and Susan Diesel Exercises for Section 2.15

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I. (1 pt)Find
$$\int x^{11} dx$$
.Image: constraint of the solution of the solu

or **infinity** for ∞ , without quotes.

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_____ < *x* < _____

tion y = y(x) to the initial-value problem $+\sin(x) + 10$

$$\begin{cases} y = -14 \\ y(0) = -14 \\ y'(0) = 0 \\ y(x) = -14 \end{cases}$$

nterval is the solution valid? Type **-infinity** for $-\infty$ $r \infty$, without quotes. _____< *x* < _____

tion y = y(x) to the initial-value problem $^{2}-5$

) 5

tion y = y(x) to the initial-value problem $x^2 + \cos x$

$$y(x) =$$

tion y = y(x) to the initial-value problem $nx + x^{-0.5}$ -2 $\dot{y}(x) =$ _____