

R.

$$f(x) f() = f() =$$

$$\int f(x) dx = f(x) dx$$

in / min in / min - in / min in / min

-in / min

-- in / min

$$f(x) = -\left(e^{\frac{x}{e}} + e^{-\frac{x}{e}}\right)$$
$$-$$
$$-$$
$$-e$$

$$\frac{d y}{dx} \quad x - y =$$

$$\frac{-}{y}$$

$$\frac{y}{y}$$

$$y \rightarrow \left[\frac{y}{y} - \left(\frac{x}{x} + y - \frac{x}{x}\right)\right]$$
$$\frac{x}{\infty}$$

$$\int^{\frac{\pi}{2}} \frac{x}{\sqrt{x}} dx$$

dy
$$y = \frac{e}{e^x}$$
 $x =$

dxdx- dxe dx

$$f(x) = \sqrt{\frac{-x}{-x}}$$

$$\begin{bmatrix} - & , \\ -\infty , - & \end{pmatrix} \cup \begin{pmatrix} & , \infty \end{pmatrix}$$
$$\begin{pmatrix} -\infty , - & \end{pmatrix} \cup \begin{pmatrix} - & , \end{pmatrix} \cup \begin{pmatrix} & , \infty \end{pmatrix}$$
$$\begin{pmatrix} -\infty , - & \end{pmatrix} \cup \begin{bmatrix} - & , \\ -\infty \end{pmatrix} \cup \begin{bmatrix} - & , \\ -\infty \end{pmatrix} \cup \begin{pmatrix} & , \infty \end{pmatrix}$$

$$V$$

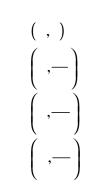
$$y = \frac{1}{x} \quad y = x = x = e \qquad y$$

$$\pi$$

$$\pi(e-)$$

$$e-$$

$$r(x) = \frac{x-1}{(x+1)}$$



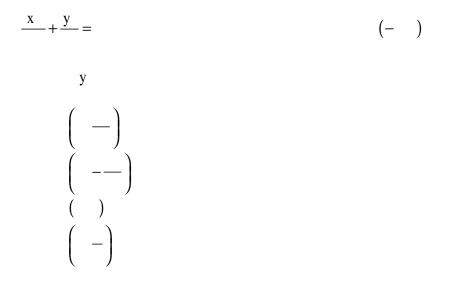
f

 $\begin{array}{cccc} x & y & & x + y = \\ & x & y \end{array}$

$$g(x) = x = x =$$

$$f x = x$$

Reminder Question 23 will be used again as a tie-breaker, if necessary.



$$f(x) = (-x)$$

- (-x)
(-x)

$$\int_{-\pi}^{\pi} (x+\pi) dx$$
$$\int_{-\pi}^{\pi} (x+\pi) dx$$
$$\int_{-\pi}^{-\pi} (x+\pi) dx$$
$$\int_{-\pi}^{-\pi} (x+\pi) dx$$

$$\int \frac{1}{x \sqrt{-x}} dx$$

$$-- \left(\frac{x}{-1}\right) + C$$

$$- \left(\frac{x}{-1}\right) + C$$

$$-\frac{\sqrt{-x}}{x} + C$$

$$\frac{\sqrt{-x}}{x} + C$$

$$f(x) = x^{x}$$

$$xx^{x^{-}}$$

$$x^{x} x$$

$$\frac{x^{x}}{x}$$

$$x^{x}(x + x)$$

ft lb/ft³?

 $-\pi \text{ ft-lb}$ $-\pi \text{ ft-lb}$ $-\pi \text{ ft-lb}$ $\pi \text{ ft-lb}$

 $\pi \text{ cm}^{3/\text{s}}$ cm/s cm $\sqrt{\text{cm}}$ cm