LEADING THE WAY

[redacted]

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

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

A

in / min

in / min

– in / min

in / min

– in / min

– – in / min

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

–

–

–e

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

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

$$\frac{y}{}$$

$$\lim_{y\to} \left[\frac{}{y-} \left(\frac{}{x+y-} - \frac{}{x} \right) \right]$$

x

$-\frac{}{x}$

∞

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

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

dx

dx

$- \ dx$

$e\,dx$

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

$[- \, , \,]$

$(-\infty,- \ ) \cup (\ ,\infty)$

$(-\infty,- \ ) \cup (- \, , \,) \cup (\ ,\infty)$

$(-\infty,- \ ) \cup [- \, , \,] \cup (\ ,\infty)$

V

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

π

$\pi(e -)$

$e -$

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

$(\, , \,)$

$\left(\, , \frac{}{} \right)$

$\left(\, , \frac{}{} \right)$

$\left(\, , \frac{}{} \right)$

f

x y x + y =
x y

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

$f \; x \; = x$

$f \; x \; = \quad {}^{x}$

$f \; x \; = \quad x$

$f \; x \; = \qquad x$

Reminder

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

$\frac{x}{\quad} + \frac{y}{\quad} =$ $(- \quad)$

y

$\left(\quad \frac{}{} \right)$

$\left(\quad - \frac{}{} \right)$

$(\quad)$

$\left(\quad - \right)$

$$f(x) = \quad (-x)$$

$$- \quad (-x)$$

$$(-x)$$

$$\int^{\frac{\pi}{}} (x+\pi)\,dx$$

$$\int_{\frac{\pi}{}} (x+\pi)\,dx$$

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

$$\int^{\frac{-\pi}{}} (x+\pi)\,dx$$

$$\int \frac{}{x\sqrt{\quad - x}}\,dx$$

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

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

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

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

$$f\,(x) = \quad x^{x}$$

$$xx^{x-}$$

$$x^{x} \quad x$$

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

$$x^{x}\left(\quad + \quad x\right)$$

ft

lb/ft^3?

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

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

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

π ft-lb

π cm^3/s

cm/s

cm

$\sqrt{\ }$ cm

cm