Be able to graph functions from the Library of Functions including sinx, cosx, tanx

$$\int_{8}^{2} \int_{8}^{2} dx = \frac{\pi}{8} \int_{e}^{2} e^{x} dx$$

$$= \frac{\pi}{8} \int_{8}^{2} e^{2x} dx \qquad \lim_{x \to 2} \int_{8}^{2} e^{x} dx$$

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$$= \frac{\pi}{8} \int_{8}^{2} e^{2x} dx \qquad \lim_{x \to 2} \int_{8}^{2} e^{x} dx = \frac{\pi}{16} e^{x}$$

$$= \frac{\pi}{16} e^{2x} \int_{8}^{2} e^{x} dx = \frac{\pi}{16} (e^{4} - 1)$$

$$\begin{array}{c}
3 & y = \sin x \\
\chi = \pi
\end{array}$$

$$\int_{0}^{\pi} s^{2} dx = \int_{0}^{\pi} sin^{2}x dx$$

$$\int_{0}^{\infty} x$$

I x-axi =

$$y = \sqrt{x}$$

$$x = D$$

$$y = 2$$

$$y = \sqrt{x}$$

$$\int_{0}^{2} \frac{3}{4} \int_{0}^{2} dy = \frac{3}{4} \int_{0}^{2} (y^{2})^{2} dy$$

$$= \frac{3}{4} \int_{0}^{2} y^{4} dy$$

7 R1 
$$\frac{1}{x-1}$$
 $x = 2 = 4$ 
 $x = 2 = 4$ 
 $x = 2 = 4$ 
 $x = 3 = 3 \ln |x-1| = 3 \ln 3$ 
 $x = 1 = 3 = 1 = 3$ 
 $x = 2 = 3 = 1 = 3$ 
 $x = 3 = 1 = 3 = 1 = 3$ 
 $x = 3 = 1 = 3 = 1 = 3$ 

4 
$$y = \sqrt{x-3}$$
 $y = \sqrt{x-3}$ 
 $y = 7$ 
 $y = 7$ 

$$(2) y = \chi^{3} = 7 \chi = \sqrt[3]{y}$$

$$y = 0$$

$$\chi = 2$$

$$\chi = 2$$

$$y - a\chi i \le 0$$

$$y = \chi^{3} = 7 \chi = \sqrt[3]{y}$$

$$\chi = 2$$

$$y - a\chi i \le 0$$

$$y = \chi^{3} = 7 \chi = \sqrt[3]{y}$$

$$\chi = 2$$

$$\chi = 2$$

$$\chi = 2$$

$$\chi = 3$$

$$\chi = 3$$