$$f'(x) = \frac{1}{dx} \cos x^{\frac{2}{3}}$$

$$f'(x) = \frac{1}{dx} \cos x^{\frac{2}{3}} = \frac{1}{dx} \cos x = \frac{1}{dx} \cos x$$

(6) 
$$|x| = |x| =$$

1 = 1 + (-1) d + - (1/4) x2 - 1-2+ = 1

(8) 
$$\int x \sin^{2}x d dx = \int \frac{1}{1} \left( \frac{-1052x}{2} \right)^{2} dx = \int \frac{1}{1} \left( \frac{-1052x}{2} \right)^{2} dx = \int \frac{1}{1} \left( \frac{-1052x}{2} \right)^{2} dx$$

$$= \int x \left( -\frac{1052x}{2} \right)^{2} dx = \int \frac{1}{1} \left( \frac{-1052x}{2} \right)^{2} dx$$

$$= -\frac{1}{1} \frac{1052x}{2} + \int \frac{1052x}{2} dx dx$$

$$= -\frac{1}{1} \frac{1052x}{2} + \frac{5102x}{2} + C$$

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$$= -\frac{1}{1} \frac{1052x}{2} + \frac{1}{1} \frac{1072x}{2} + C$$

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10g | 2+2 |

109/2-11

## 置操横印引

$$\frac{dt}{dx} = (x-1)' = 1 + 1)$$
  $4t = 4x$ 

$$d = t+1+1$$
 積的2.
$$\int_{-1}^{0} (t+1) t^{9} dt = \int_{-1}^{0} t^{10} + t^{9} dt$$

$$= \left[ \frac{\pm 1}{11} + \frac{\pm 70}{10} \right]_{-1}^{0} = 0 - \left( \frac{(\pm 1)^{11}}{11} + \frac{(\pm 1)^{10}}{10} \right)$$

$$= -\frac{1}{11} - \frac{1}{10} = \frac{1}{11} - \frac{1}{10} = \frac{10 - 11}{11 \times 10} = \frac{-1}{110}$$

## 新開都·精和公式·自以了.

$$-\int_{0}^{\pi/2} -\frac{1}{2} \left( \cos(3x+2x) - \cos(3x-2x) \right) dx$$

$$= -\frac{1}{2} \int_{0}^{\frac{\pi}{2}} \cos 5d - \cos d \, dd$$

$$= -\frac{1}{5} \left[ \frac{\sin 5x}{5} - \sin x \right]_0^{\frac{7}{2}}$$

$$= -\frac{1}{2} \left( \left( \frac{5 \ln \frac{5\pi}{2}}{5} - 5 \ln \frac{\pi}{2} \right) - \left( \frac{5 \ln 0}{5} - 5 \ln 0 \right) \right)$$

$$= -\frac{1}{2} \left( \frac{1}{5} - 1 \right) = -\frac{1}{2} \cdot \frac{-4}{5} = \frac{2}{5}$$

