

$$= \frac{x^{3} \sin(3x)}{3} + 3x^{2} + \cos(3x) - 6x + 2\pi \sin(3x)$$

$$- 6 + \cos(3x) + C$$

$$5x^{3} \cos 3x \delta x = \frac{x^{3} \sin(3x)}{3} + \frac{x^{2} \cos(3x)}{3} - \frac{2x \sin(5x)}{3}$$

$$- 2 \cos(3x) + C$$

$$27$$