

2.49  
5

$$\textcircled{c} \int_0^{2\pi} \sin^2 x \, dx = \int_0^{2\pi} \frac{1 - \cos 2x}{2} \, dx = \frac{1}{2}x - \frac{\sin 2x}{4} \Big|_0^{2\pi} = \pi$$

$$\textcircled{d} \int_{-2}^0 \frac{2x-1}{x-1} \, dx = \int_{-2}^0 \frac{2(x-1)+1}{x-1} \, dx = \int_{-2}^0 \left(2 + \frac{1}{x-1}\right) \, dx =$$
$$= 2x + \ln|x-1| \Big|_{-2}^0 = 0 - (-4 + \ln 3) = 4 - \ln 3$$