$$a \times r = (28-39, 3x-2, 9-2x)$$
 $fot (a \times r) = (1+1, 2+2, 3+3)$ 
 $= (2.4.6)$ 

$$\int_{c} (a \times t) dt = \int_{0}^{2\pi} (a \times t) \frac{dt}{dt} dt$$

$$= 2^{2}$$

$$(0 \times t) = (2c - 3\sqrt{2-c} \sin t, 3\sqrt{2-c} \cos t - c, 3\sqrt{2-c} (\sin t - 2\cos t))$$

$$\frac{dt}{dt} = (-\sqrt{2-c} \sin t, \sqrt{2-c} \cos t, o)$$

$$\int_{0}^{2\pi} (a \times t) \frac{dt}{dt} dt = \int_{0}^{2\pi} \left\{ 3(2-c) - c \sqrt{2-c} \left( 2 \sin t + \omega s t \right) \right\} dt$$

$$= \left[ 3(2-c)t - c \sqrt{2-c} \left( -2 \cos t + \sin t \right) \right]_{0}^{2\pi}$$

$$= \left[ 6(2-c)\pi + 2c \sqrt{2-c} - \left( 2c \sqrt{2-c} \right) \right]$$

$$= \left[ 6(2-c)\pi + 2c \sqrt{2-c} - \left( 2c \sqrt{2-c} \right) \right]$$

$$2k-72$$
 a 定理 IY
$$\iint_S tot(a \times t) \cdot h \, dy = \oint (a \times r) \, dt$$

$$= 6(2-c) \pi$$