

$$7. \int_C (\underbrace{7y}_{f_x} \vec{i} + \underbrace{7x}_{f_y} \vec{j}) dr$$

$$f = \int 7y \, \underline{dx} \quad f = \int 7x \, \underline{dy}$$

$$= \underline{7xy}$$

$$= \underline{7xy}$$

$$f(x,y) = 7xy$$

$$\begin{array}{ccc} (2,4) & & (0,0) \\ = 7(2)(4) & - & 7(0)(0) \\ = \textcircled{56} & & \end{array}$$