

$$3. \int_C \underbrace{(y-x)}_M dx + \underbrace{(2x-y)}_N dy$$

$$= \iint_R (2-1)$$

$$= \iint_R 1$$

$$= \text{AREA OF RECT} - \text{AREA OF SQUARE}$$

$$= 8(4) - 2(2)$$

$$= 32 - 4$$

$$= 28$$

