9.13.

$$\oint_\gamma (x - y)dx + (x + y)dy = \{\text{Greens formel}\} =$$

$$= \iint_D \left[\frac{\partial}{\partial x}(x + y) - \frac{\partial}{\partial y}(x - y)\right] dxdy = \iint_D 2\,dxdy$$

$$\oint_\gamma (x - y)dx + (x + y)dy = -\int_{x=-1}^{1} xdx + 2\iint_D dxdy$$

$$\oint_\gamma (x - y)dx + (x + y)dy = -0 + 2 \quad D: \text{s area}$$

$$\oint_\gamma (x - y)dx + (x + y)dy = 2 \cdot \frac{1}{2}\pi \cdot 1 \cdot \frac{1}{\sqrt{2}} = \frac{\pi}{\sqrt{2}} = \frac{\pi\sqrt{2}}{2}$$

SVAR:

$$\oint_\gamma (x - y)dx + (x + y)dy = \frac{\pi\sqrt{2}}{2}$$