

Choose the right solution :

1. " Liouville theorem" is hold for the real function (\checkmark , \times)

2. $\text{Log}(2z - 1)$ is not analytic if:

$$(x \leq 0, y = 0) \text{ or } (x \geq \frac{1}{2}, y = 0) \text{ or } (x \leq \frac{1}{2}, y = 0)$$

3. $\int_{|z-1|=2} \frac{\sin x}{x} dz$. is (0) or $(\cos 0)$ or $(2 i \cos 0)$

.Find $\int_{|z|=5} \frac{dz}{(z-6)(z+4)^2}$.