

Analys i en variabel del 2, 764G07 Provkod KTR3.

Svar till dugga 3.

2020-11-26 kl 8.00-11.00

1. a) $\frac{1}{2} \ln \frac{3}{2}$.
- b) $4 - \pi$.
- c) $\frac{2x+1}{4} e^{2x} + C$.
- d) $\ln(2 + \sin x) + C$.
2. $s = \frac{5\sqrt{5}-8}{3}$ l.e.
3. $V = \pi(e^4 - 1)$ v.e.
4. $A = \ln 2$ a.e.
5. $A = \frac{2}{3} \pi(10\sqrt{10} - 1)$ a.e.