

Analys i en variabel del 2, 764G07 Provkod KTR3.
Svar till dugga 3.
2018-11-28 kl 8.00-11.00

1. a) $\frac{1}{3} \ln 2$
b) $\frac{x}{2} \sin(2x) + \frac{1}{4} \cos(2x) + C.$
c) $\sin x - \frac{1}{3} \sin^3 x + C.$
d) $\pi/8.$
2. $s = \frac{13}{3} \text{ l.e.}$
3. $V = \frac{196}{3} \text{ v.e.}$
4. $A = 60 \pi \text{ a.e.}$
5. $A = \frac{3}{8} \pi \text{ a.e.}$