Martin Skatvedt - Øving 8 - MA0001

fredag 14. oktober 2022 12:12

$$N = \frac{\ln 0.08}{\ln 0.3} \approx \frac{-2.5257}{-1.2039} \approx \frac{2.1}{-1}$$

$$|2\% - 7| \left(1 + \frac{|2|}{|00|}\right) = \frac{|1/|2|}{|1/|2|}$$

 $f(x) = |1/|2|$

b)
$$f(\frac{1}{12}) = 1,12^{\frac{1}{2}} \approx 1,0094$$

c)
$$f(\frac{1}{365}) = 1,12^{\frac{1}{365}} \approx 1,0003$$

$$9:(0,0003-1)0100=0,0310\% \approx 0,03\%$$

5. B. 11) fredag 14. oktober 2022 43% -1 (1+ 43%) - 1,43 B(E) = 1000.1,430,28 B (780) - 1000 01,43 = 1000 013 402 405,36 = 13 402 405 362 ~ 1,3010 bakterier [5.1.30] a) 15% -1> $\left(1 + \frac{15}{100}\right) = \frac{1,15}{1}$ V(t) = 1000 01,15 t V(0) = 1000 1,15,1000 VC 1) = VCO) 1,15 -V 1,15, 1000 V(2) = 1,15 V(n) = v(n-1) =1,15 -6 1,15 0 = 1000 () VCt) = 2000 12000 = 1,15 = 2000 = 1,15 = 2 $= t \ln 1_1 15 = \ln 2 = t = \frac{\ln 2}{\ln 1_1 15}$ - 0,6931 - 4,96 timer vannmensden er fordoblet Ctter 4,90 timer

fredag 14. oktober 2022

$$-2x = 1.5x + 10.5$$

$$\times = \frac{10.5}{3.5} = \frac{-3}{-3}$$

$$0,5\frac{4}{5>3}$$
 = $\frac{1}{1}$ = 0,75

$$\frac{1}{5232}$$
 In 0,5 = In 0,75

$$\frac{6}{5730} = \frac{100,75}{100,5} = 0,4150$$