MATHS ASSIGNMENT

PRECIOUS BELEMA

18/ENG03/021

CIVIL ENGINEERING

y=y0ekt

y=3y0;

y/y0 = 3

A; y/y0 = e4t =3……..at t = 9

B; y/y0 = e4t =9 ……..at t =18

A: . y0 = 50 ……..i

B: . y0 = 150…….ii

Y=50ekt……..iii

Y=150ekt…….iv

3=ekt

In3=kt

At t=9

In3=9k

K=0.122……..A

9=ekt

At t=18

In9=18k

K=0.122…….B

: . y=50e0.122t………A

: . y=150e0.122t…….B

