CMS Reinforcement Assignment # 02

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ams Reinforcement
       Assignment #2
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       Module # 4.2
 Quick Review Question # 7
    p = 0-2/day
   PEa
 d- U=0.1/day,
    avg num of days for a
    person to be in quarantine = 10 days
e- u = 1/16 pex day OR
   = 0.0625 day
f- (U) (Sa)
Quick Review Question # 8
a- As K = 10/day & No = 10,000,000
     =0.0001 %/day
    (% of contacts per day)
b- b = 0.06/day
c- (0.0001)(0.06) => 0.000006 %/day
    I = 5000
      S = 9,000,000
     SI = (5000) (9,000,000)
       = 45,000,000,000
```

```
= 0.000006 % /day
  = (0.00000006/day) (45,000,000,000)
   = 2,700
 f- (0.1)(2700)
       = 270 people
 &- gkbIuSINO
 h- (1-9)(2700)
     = (1-0-1)(2700)
     = 2430 people
 i- (1-9) KDIUSINO
        Modele# 4.2
Review Question #2
a- by
b- 0.01(D)
c - 2 (A)
d- 1.06 (E)
e- 0.02 (B)
f- 15 (H)
    100 (61)
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Module # 4.1 Quick Review Question # 2 BIS, because a larger portion of the white tip sharks are dying. Module # 3.1 Quick Review Question # 8 a- (c) Greater because projected area is less, causing air friction to be less, making absolute values of total force, acceleration change in velocity and speed more. b- (A) 13s c- (B) 21 s Module # 2.3 Quick Review Overtion #2 $Q - \Delta P = 1.05(1 - P/1000)(P)(0.1)$ C- P+AP = 600 + 1.05(1-600/1000) (600)(0.1) = 625.2 individuals

Module # 2.2

Guick Review Question 5 $Q = Q_0 e^{-0.000427869t}$ For $Q = 0.50Q_0$ $0.50Q_0 = 0.000427869t$ 10(0.50) = -0.000427869t t = 10(0.50) (-0.000427869t)