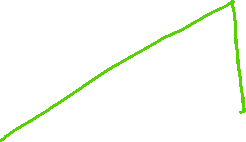
**QUIZ #02 SOLUTIONS**

Q-1

(N - M + 1)/20 = (N – M + 1)\*0.05  
  
Q-2

10CM / 2^10 = 10CM /1024  
  
Q-3



slope = 0.1/20 = 0.005  
height at M = 0.005\*M  
area till M = 0.5\*length\*height = 0.5 \* M \* 0.005 \* M = M^2/400  
  
Q-4



area till N = 0.5 \* N \* 0.005 \* N  
therefore answer = 0.5\*0.005( N^2 - M^2 ) = ( N^2 - M^2 )/400