Quiz Jan 10 2020

1. (a) $f(x)=1+x+x^2+x^3+x^4$

$f'(x)=1+2x+3x^2+4x^3$

3. (b). $(1,5)$.

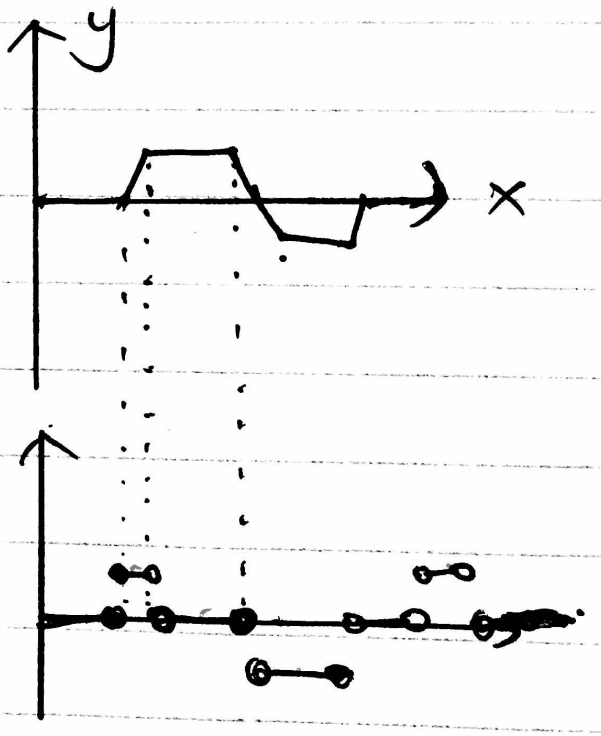
$f'(1)=1+2+3+4$

$m=10$

$y-5=10(x-1)$

$y=10x-5$

2.



Exce

—Pingchuan Ma.

Quiz jan 10 2020 20/

Savannah Hallgarth

section: Wednesday @ 12pm

1. $f(x) = 1 + x + x^2 + x^3 + x^4$

$f'(x) = 1 + 2x + 3x^2 + 4x^3$

1b. $(1, 5)$ on $y = 1 + x + x^2 + x^3 + x^4$

$1 + (1) + (1)^2 + (1)^3 + (1)^4$

$1 + 1 + 1 + 1 + 1 = 5$

$y - 5 = m(x - 1)$

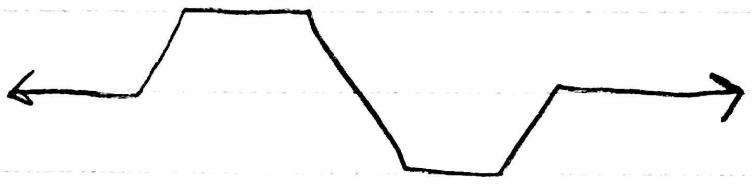
$1 + 2(1) + 3(1$

$= 1 + 2 + 3 \cdot$

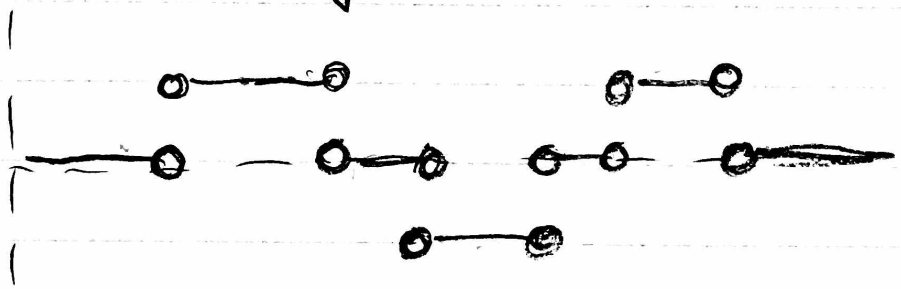
$= 10$

$\boxed{y - 5 = 10(x - 1)}$

2.



$\frac{dN}{dt}$



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