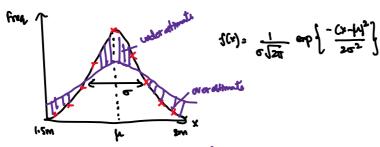
12/02/2025, 13:51 OneNote

## Week 1

Tuesday, 21. January 2025 04:51

Linear Algebra: Prof. Zain Kapalita, Dept of Modnematics. 9 Pr. Sam Cooper.



underestimate & overestimate & measure of goodnote.

Three rection can help us store towards the best result with calculus & value completed to gether.

Solviny some questions:

i) 
$$3x - y = 2$$
;  $x = 4$   
 $3(8) - y = 2$  [4,10]  
 $y = 12 - 2 = 10$ 

ii) 3z - 2y = 7 2x - 2y = 2 3y = 2x - 2 3x - 2x + 2 = 7 2y = 10 - 2x + 2 = 7  $y = \frac{6}{7}$ 

(iii) 
$$3x - 2y = 4 \times 2$$
  $6x - 4y = 8$   
 $6x + 3y = 15$   $\frac{6x + 3y = 15}{7y = -7}$   
 $6x + 3 - 15$   $\frac{7y = -7}{9}$ 

in -2x + 2y = 20 x 3 -6x + 6y = 60 5x + 3y = 6 ) x 2 (-) 10x + 6y = 42 -15 + 3y = 6 -16x = 483y = 6 + 15  $x = \frac{48}{16} = -3y$ .

Y) 
$$3x-2y+2=7$$
  
 $x+y+7=2$   
 $3x-2y+7=7$   
 $x+y+7=2$   
 $3x-2y+7=3$   
 $27=4$   
 $3x-2y+7=3$   
 $27=4$   
 $3x-2y+7=3$ 

12/02/2025, 13:51 OneNote