Gruphing tunchons:

Graphs may be straight line or euros

Curva:

Grouphs of y = x1, n being any positive integers.

Case-1:

when n in positive even integer

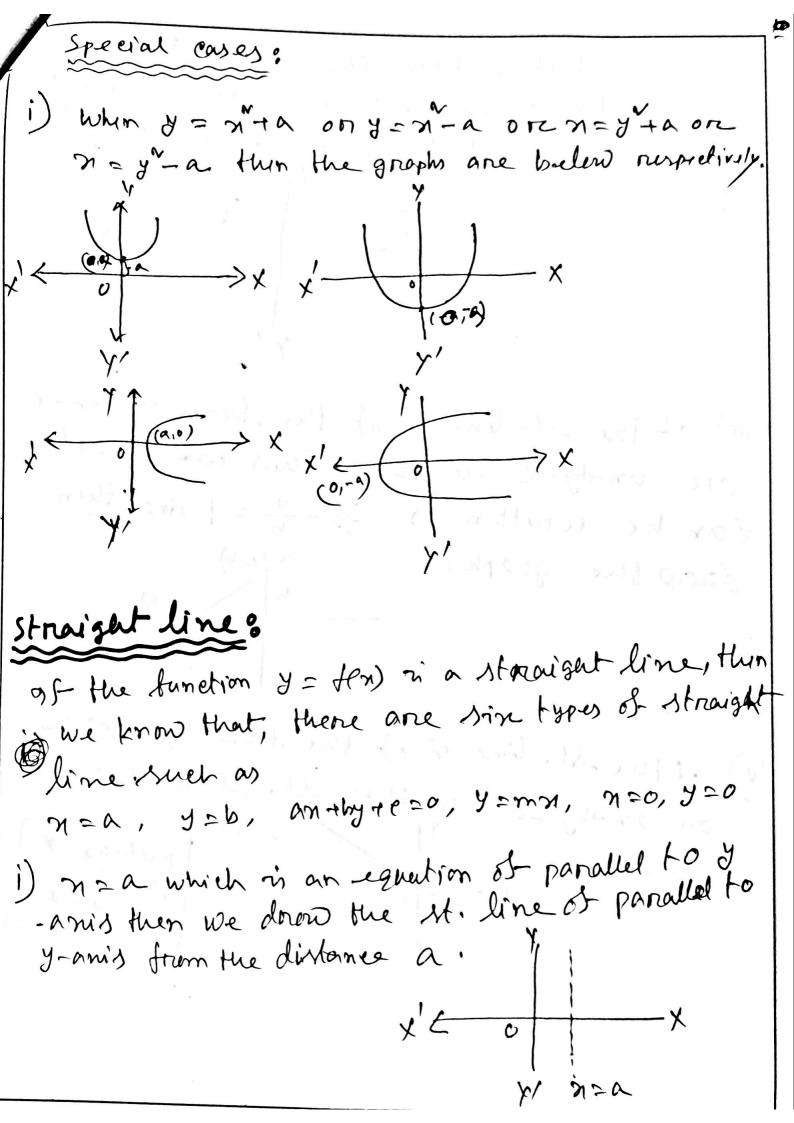
Wt y= x2m in y= xx, y= x4, y= x6, y= then the graph of y below:

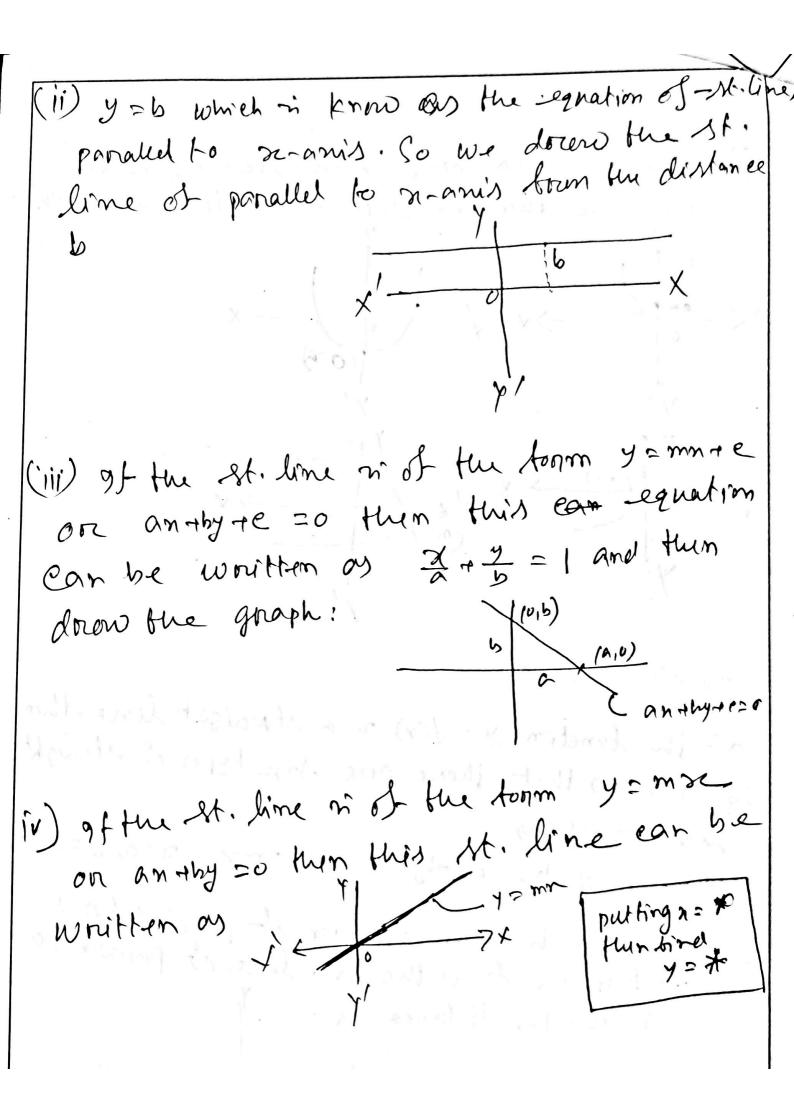
Case-2:

when n is a positive odd integer: Wh n = 2m+1 then y = xn = 2 2m+1 (1 y=x/x/x/ ... /x m+1 y in positive on negative according as se in positive or negative, so there will be no branch of the eunne in the 2nd and 4th quadrants. 9t in symmetrical about origin.

when n'in negative even intiger. ht no-2m, where m n'a positive integers. $y = x^2 = x^{-2m} = \frac{1}{x^{2m}}$ Then function is defined for all values of ox except Case-4: when n is negative odd integer:

When n = -(2m+1) then $y = x^2 = x^2 = -\frac{(2m+1)}{2}$ y in positive or negative according as in positive or negative. So theme is no branch of the course graph in the 2nd and 4th quadrants





En. . Praw the graph of the function and also find Domain and Range. f(n) = f n-1 when nLo 11 0521 Sola Ginen that the function ソマダニがし y= 2 1 The domain of the fametion i (-01,0) U[0,1]U(1,00) = (-01,00) = R And the name in [0,00) f(n)=

| 0 when x <-1
-1 < x < 1

/ Driew the growth of the function from = m-3 " . I'm = [7]+177]. Also find the domain and Margo. g . n frn- o -1, 20 fr) = 1 271-3; 721)-m"; m7,1 Find domain and range 5. 11 An)= |n|+|n-1| and also find domewin and 6. u 1-21 11 052 1 Determène the range and domain of the function. 1 Am= |7111+17-11 Also find domuin and 1-21 0 / 12 1/2 + 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 2/2 / 1/2 / 2/2 / 1/2 / 2/2 / 8, Hm)= { 2, 0621 12, 0621 Also find Romain and range

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En: 10,5 kitch the straph of the function fin)= |n+1/+12-2/. Also
                                                                                                                                                                                                                                                                                                                                                                              find done in and range.
                                             11.
                                                                                                                                                                                                                                                                                                                                                                          11-K1+1x1+1x-1
                                                                                                                                                                                                                                                                                                                                                                                           Also find domain and
                                12.
                                                                                                                                                                        1,
                                                                                                                                                                                                                                                                                                                                 " Hn)= [n]+[n-1]+[n-2]
                                                                                                                                                                                                                                                                                                                                            Also for find domain and range
                                                                                                                                                                                                                                                                                                                                                               11-K/+(K)+(1+K) = (NH
                          13.
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       14.
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         15.
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   16.
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21, 02n21

-21, n20
 17.
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\frac{1}{2} \frac{1
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200, -1527
1001
18.
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