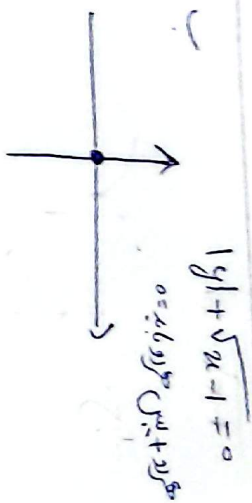
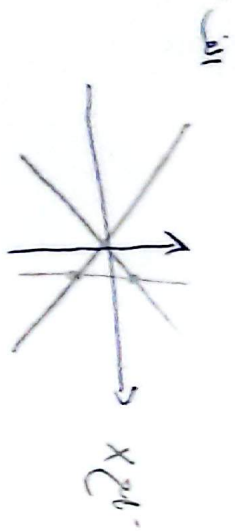


$$x^2a = a^2 + 1^2 \rightarrow x^2a - a^2 - 1^2 = 0 \rightarrow x = \frac{a^2 + 1 \pm \sqrt{a^4 + 2a^2 + 1 - 4a^2}}{2a} = \frac{a^2 + 1 \pm \sqrt{a^4 - 2a^2 + 1}}{2a} = \frac{a^2 + 1 \pm (a^2 - 1)}{2a}$$

1



2

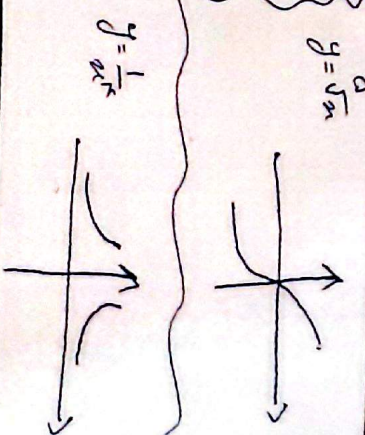
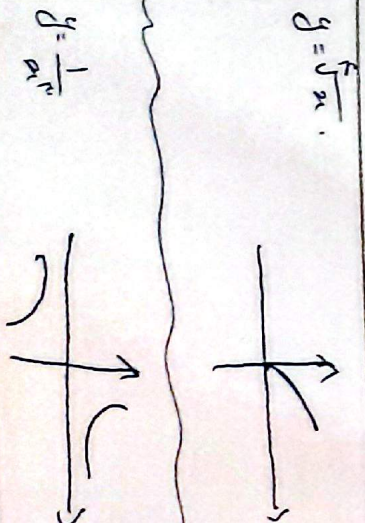
- الف)  $x = 1 \rightarrow |y-1| = 1 \rightarrow y = -1, 1$   $x^2 - 1$   
 ب)  $x = 0 \rightarrow y^2 - y = 0 \rightarrow y = 0, 1$  "  
 ج)  $x = 1 \rightarrow y = 0, 2$  "  
 د)  $x = 0 \rightarrow y^2 = 0 \rightarrow y = 0$  "

3

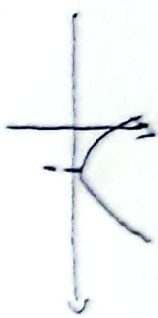
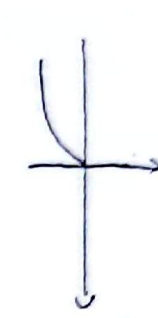
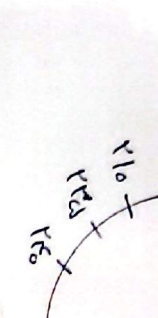
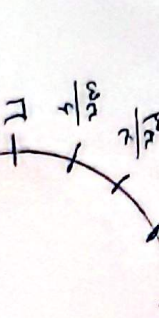
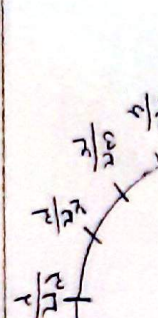
الف)  $x = 1 \rightarrow 1 + |y-1| = 1 \rightarrow y = -1, 1$   $x^2 - 1$

ب)  $y_1^2 + 1^2 = 0 \Rightarrow y_1^2 = y_2^2 \rightarrow y_1 = y_2$   $x^2 - 1$   
 $y_1^2 + 1^2 = 0$

4



5

|                                                                                                                                                                                             |                                                                                                                                                                                             |                                                                                                                                                                                          |                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>الف</p>  <p>ب</p>  | <p>الف</p>  <p>ب</p>  | <p>الف</p>  <p>ب</p>  | <p>الف</p>  <p>ب</p>  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|