

## Accelerated Coordinate Algebra

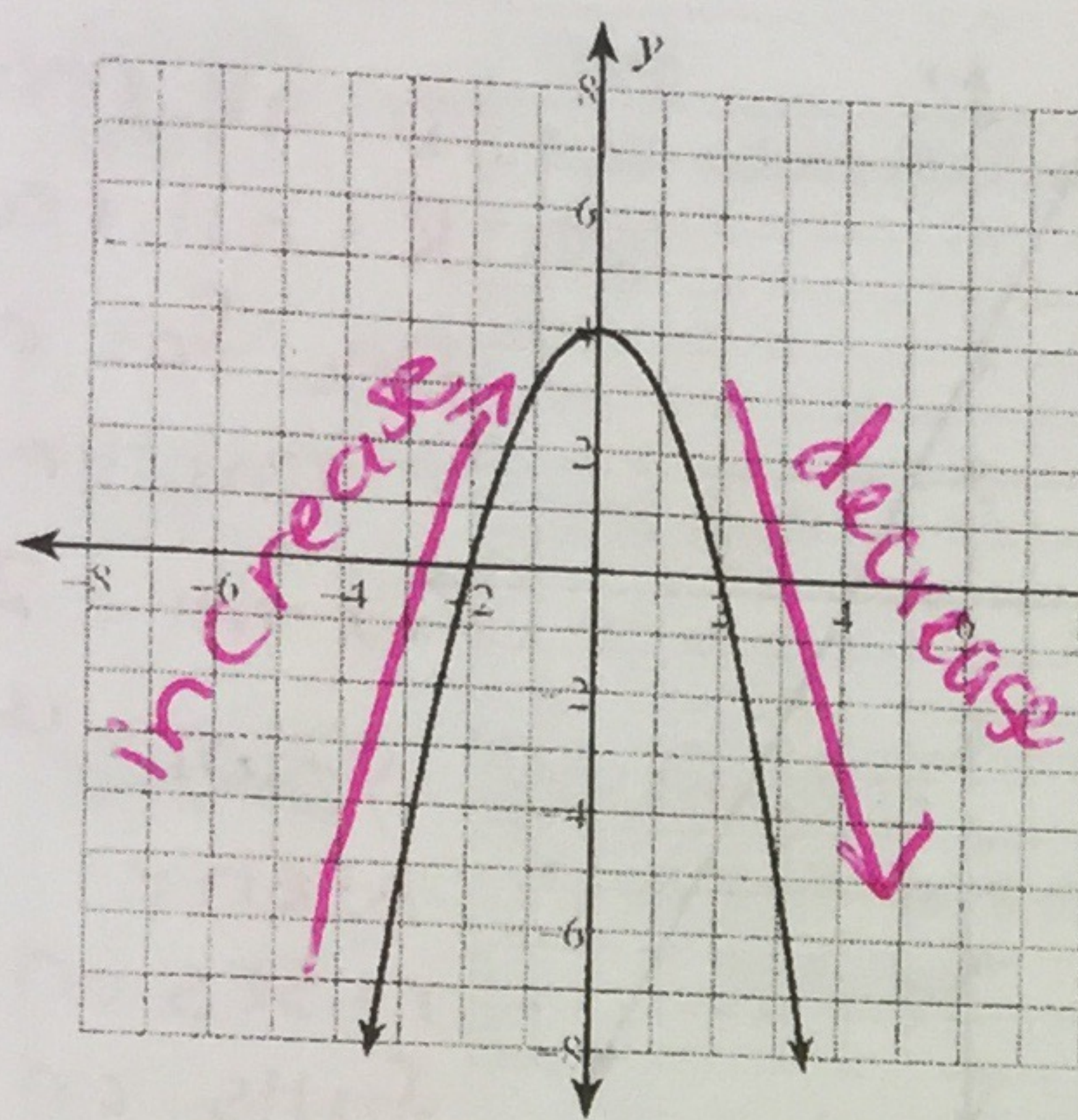
Name \_\_\_\_\_ ID: 1

## Section 9.1--Analyzing Graphs Review

Date \_\_\_\_\_ Period \_\_\_\_\_

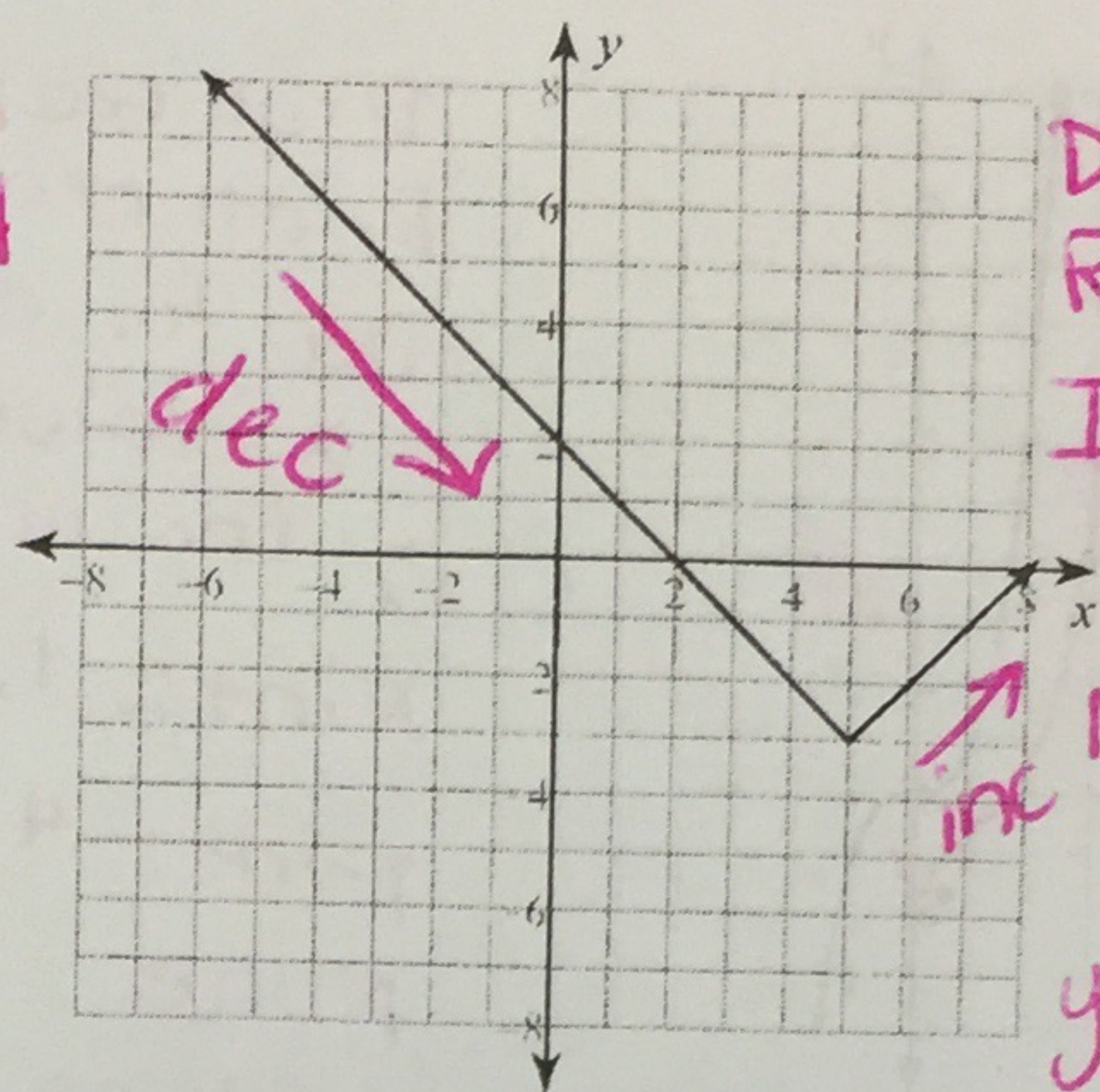
Determine the Domain, Range, Intervals of Increase/Decrease, Maximum/Minimum, X Intercept, Y Intercept and End Behavior.

1)



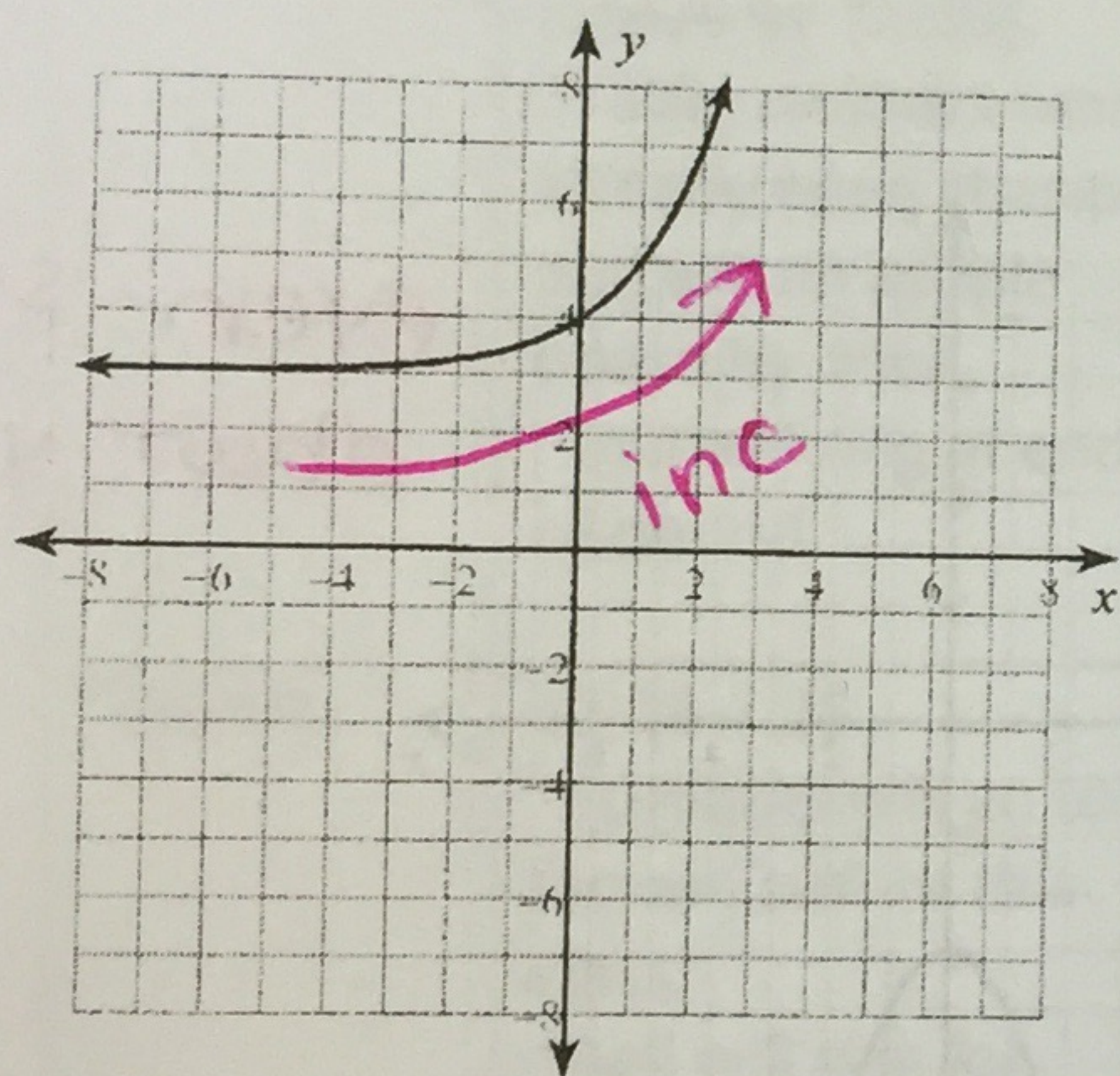
D - all real  
 R - ~~all real~~  $y \leq 4$   
 Inc:  $x < 0$   
 Dec:  $x > 0$   
 Max @ (0, 4)  
 X-int: -2 & 2  
 Y-int: 4  
 falls on left & right

2)



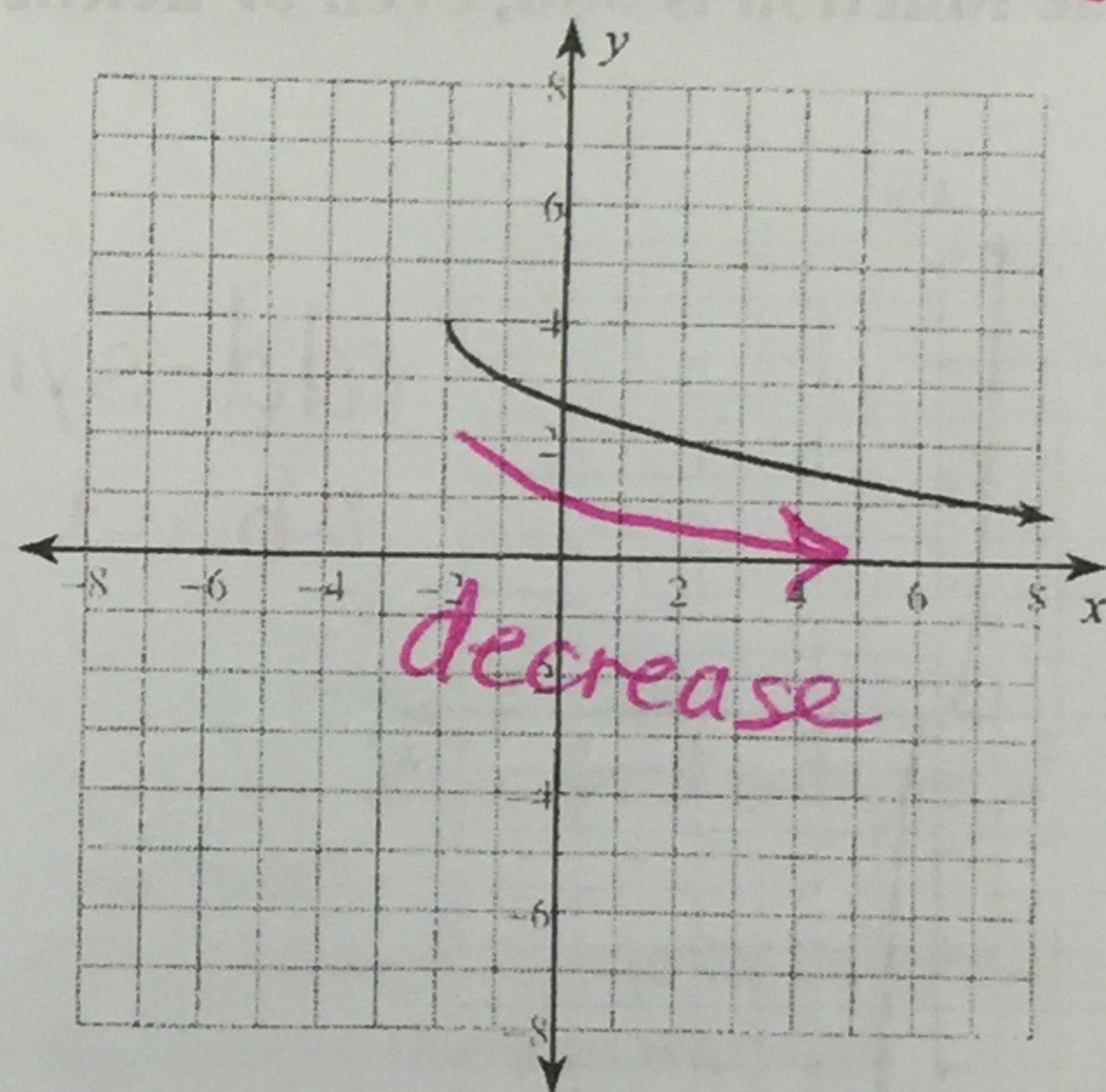
D - all real  
 R -  $y \geq -3$   
 Inc -  $x > 5$   
 Dec -  $x < 5$   
 Min @ (5, -3)  
 X-int - 2 & 8  
 Y-int - 2  
 rises on left and right

3)



• D - all real  
 • R -  $y \geq 3$  or approaches 3  
 • Inc - for all x-values  
 • No decrease  
 • Min approaches 3  
 • No x-int  
 • Y-int - 4  
 • approaches 3 on the left  
 • rises on the right

4)



• D -  $x \geq -2$   
 • R -  $y \leq 4$   
 • No increase  
 • Decrease for all x-values greater than -2  
 • Max @ (-2, 4)  
 • No x-int  
 • Y-int - 2.5  
 • approaches (-2, 4) on left  
 • falls on right

## Accelerated Coordinate Algebra

Name \_\_\_\_\_

ID: 1

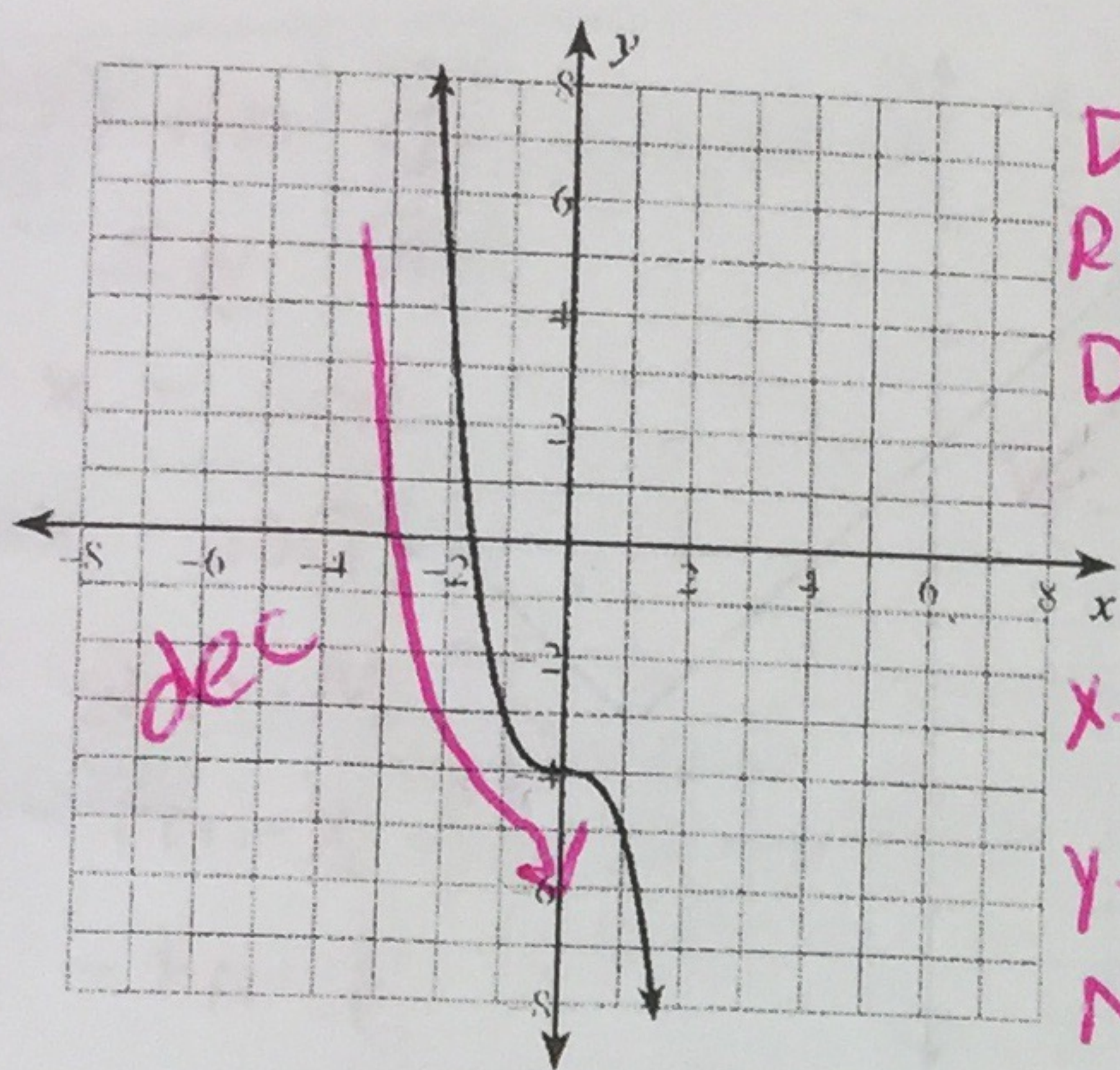
## Section 9.1--More Review

Date \_\_\_\_\_

Period \_\_\_\_\_

Determine the Domain, Range, Intervals of Increase and Decrease, X intercept and Y intercept, Max/Min/None and End Behavior.

1)



D-all real  
R-all real  
Dec. for all  
X-values  
(no inc)

X-int  $\approx -1.75$

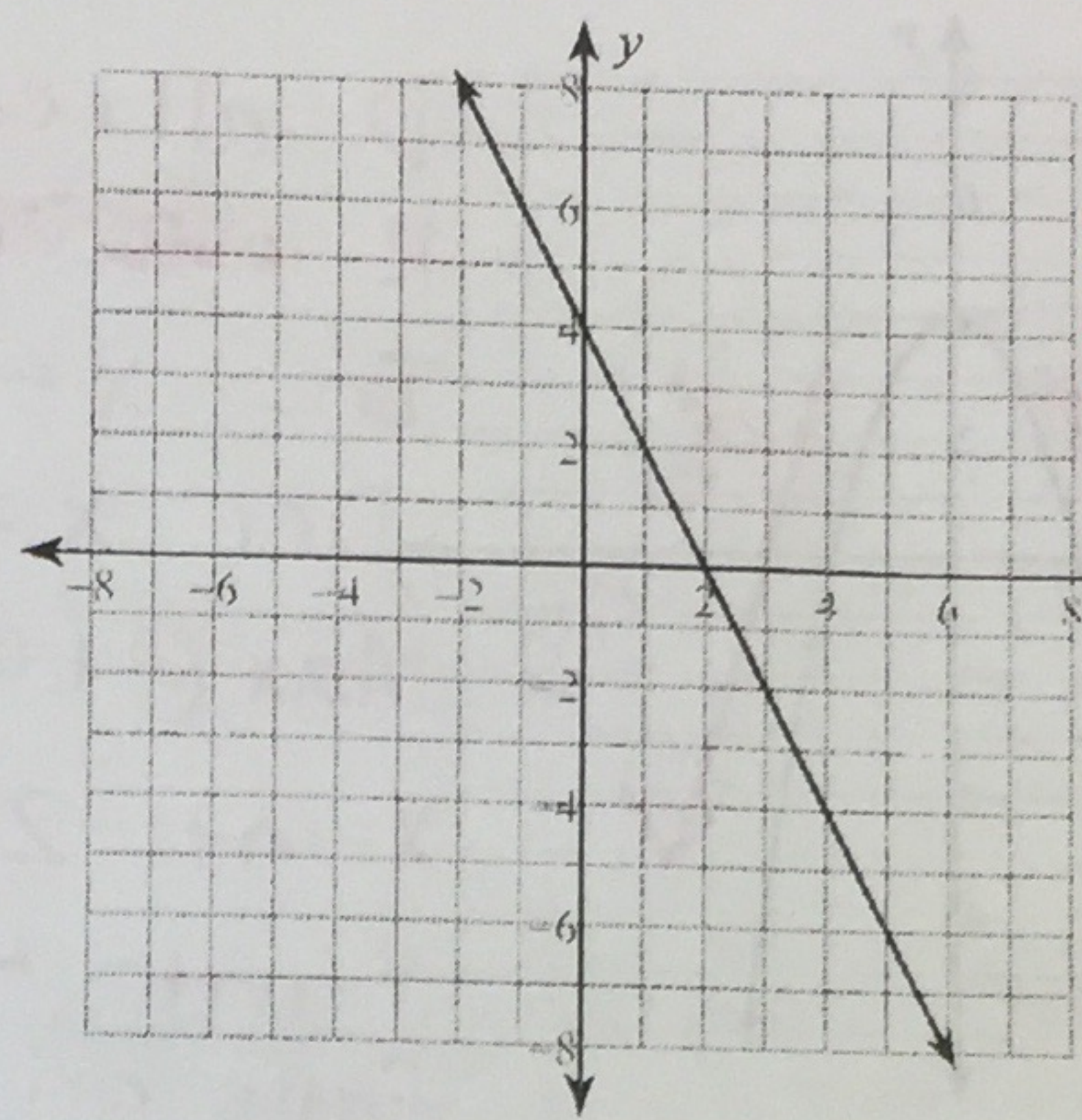
Y-int -4

None

rises on left

falls on right

2)



D-all real  
R-all real  
Dec for all x-values  
(no increase)

X-int: 2

Y-int: 4

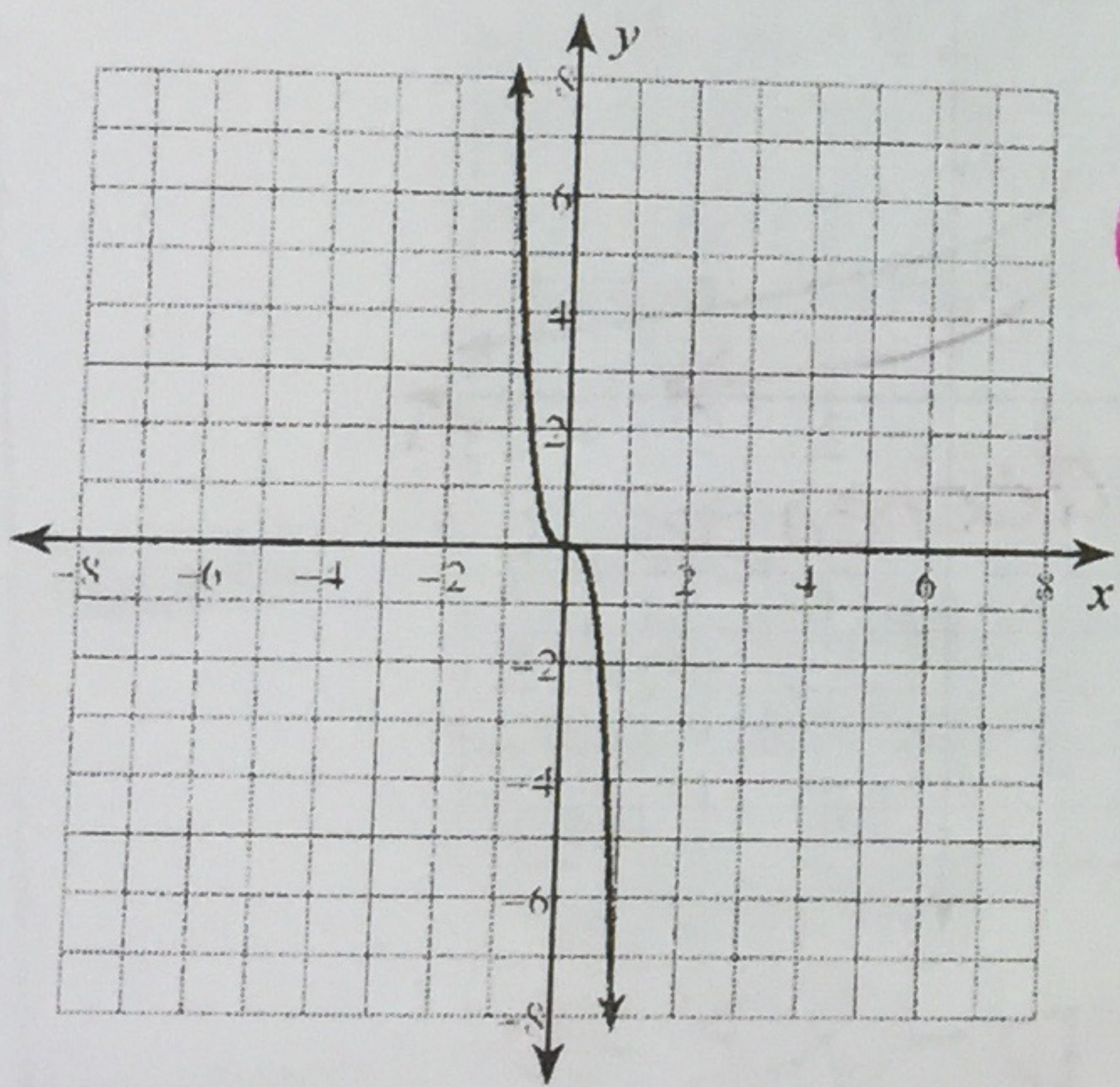
None

rises on left

falls on right

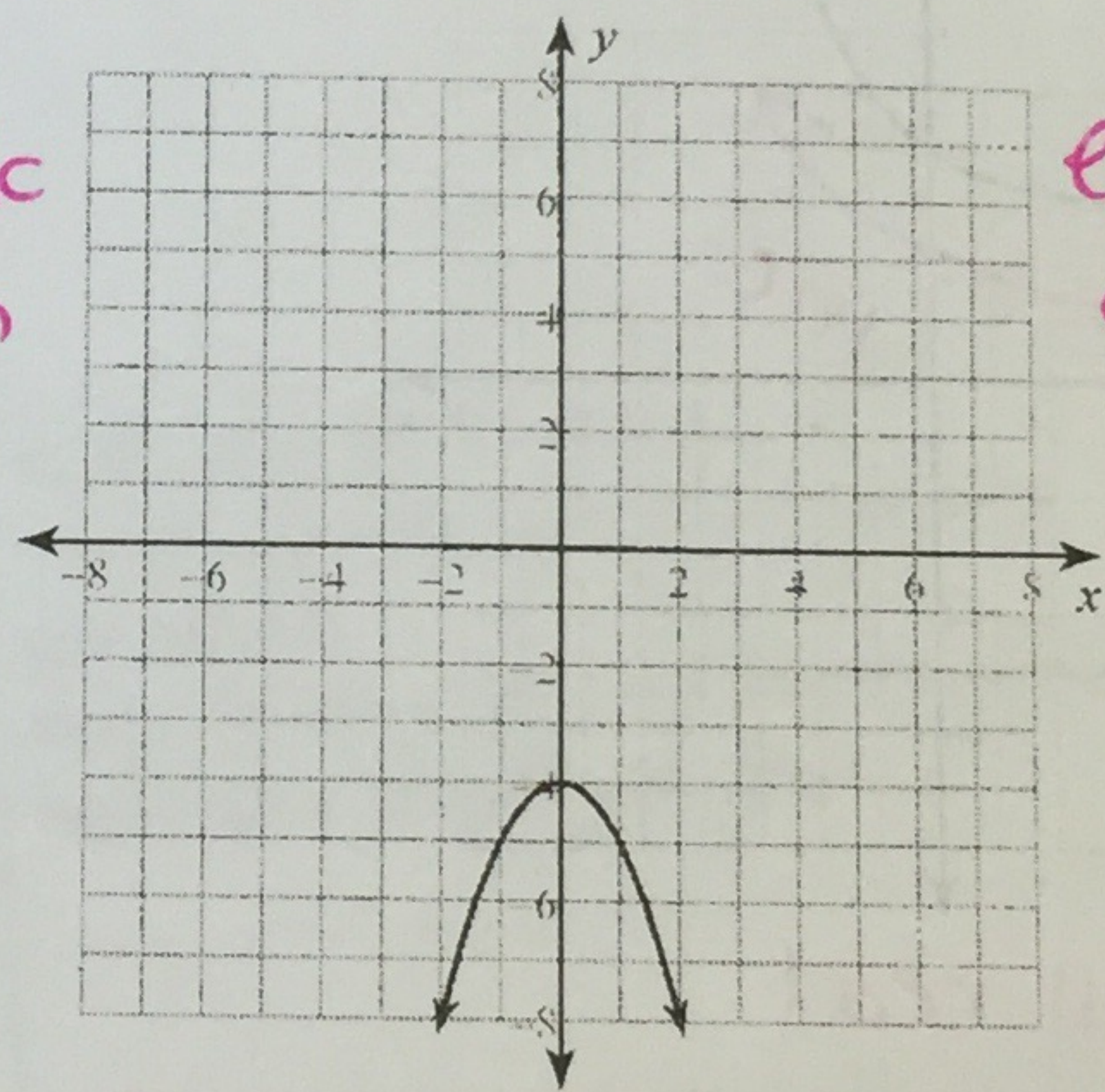
Determine if the function is odd, even or neither.

3)



odd-symmetric  
about origin

4)



even-symmetric  
about y-axis

5)  $y = x^2 - 4x$

$$\frac{1}{1^2 - 4(1)}$$

$$1 - 4$$

$$= -3$$

$$\frac{-1}{(-1)^2 - 4(-1)}$$

$$1 + 4$$

$$= 5$$

Neither

6)  $y = -4x + 5$

$$\frac{1}{-4(1) + 5}$$

$$-4 + 5$$

$$= 1$$

$$\frac{-1}{-4(-1) + 5}$$

$$4 + 5$$

$$= 9$$

Neither