

September 7, 2010

Note Title

9/7/2010

90 91 91 91 91 92 94 94 94 95 95 96 96 97 97 98 100  
80 82\* 84 86 86 86 86 89 89  
70 70 71 71 72 72 73 73 75 75 77 77

65 67

58

$$\bar{x} = 82.92$$

$$s_x = 11.16$$

$$|x+3| \leq 7$$

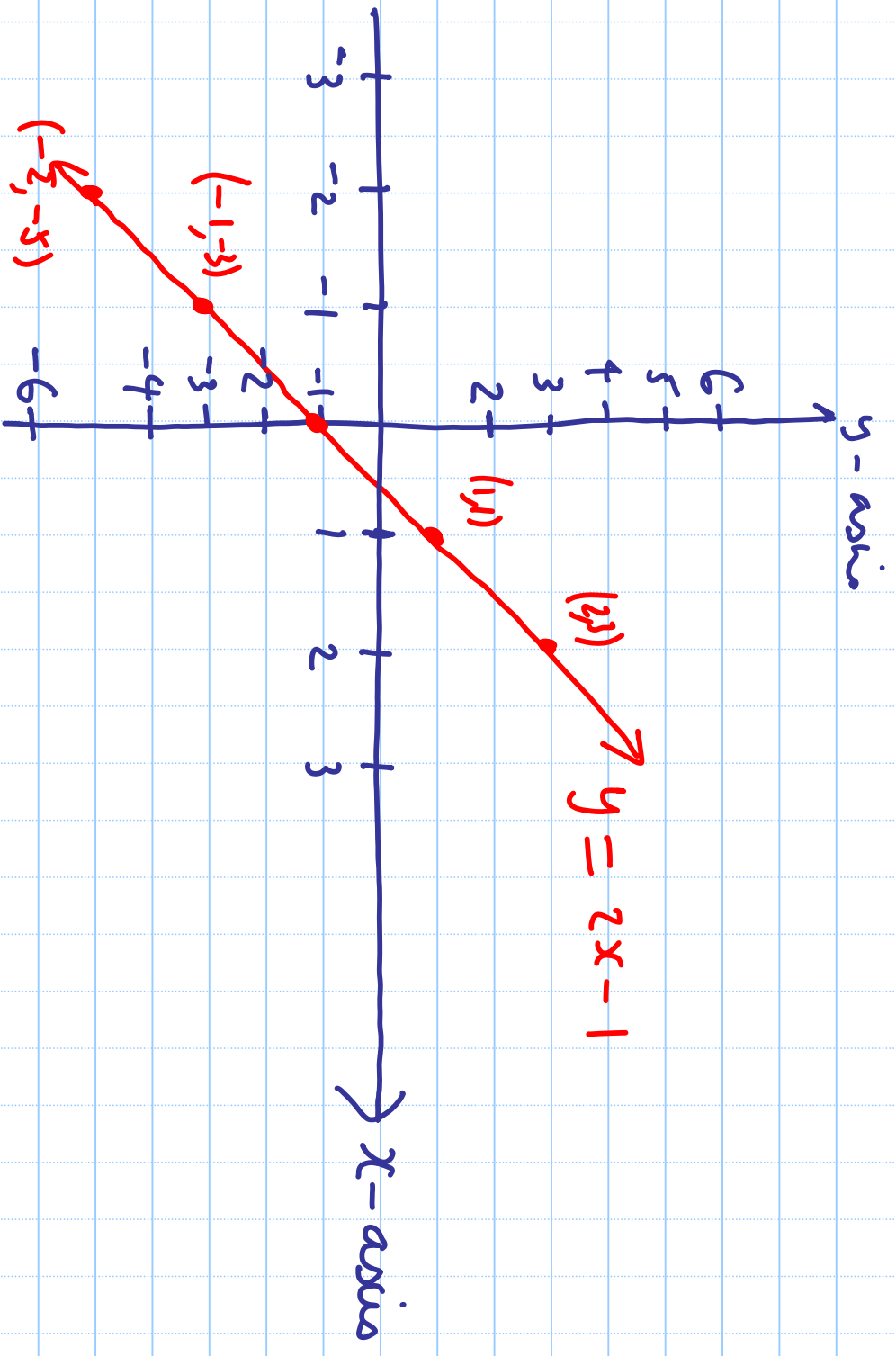
$$-7 \leq x+3 \leq 7$$

$$-7 \leq x+3 \quad \text{and} \quad x+3 \leq 7$$

## Example

$$y = 2x - 1 \text{ (Graph!)}$$

$x$	$y = 2x - 1$	$(x, y)$
-2	$y = 2(-2) - 1 = -5$	$(-2, -5)$
-1	$y = 2(-1) - 1 = -3$	$(-1, -3)$
0	$y = 2(0) - 1 = -1$	$(0, -1)$
1	$y = 2(1) - 1 = 1$	$(1, 1)$
2	$y = 2(2) - 1 = 3$	$(2, 3)$



## Example

Graph  $y = x^2 - 5$

$x$	$y = x^2 - 5$	$(x, y)$
-3	$y = (-3)^2 - 5 = 4$	$(-3, 4)$
-2	$y = (-2)^2 - 5 = -1$	$(-2, -1)$
-1	$y = (-1)^2 - 5 = -4$	$(-1, -4)$
0	$y = 0^2 - 5 = -5$	$(0, -5)$
1	$y = 1^2 - 5 = -4$	$(1, -4)$
2	$y = 2^2 - 5 = -1$	$(2, -1)$
3	$y = 3^2 - 5 = 4$	$(3, 4)$

