Please do not write in the margins of the page!

Part A: Fill in the missing parts of the table:

inequality form	graph on the real line	interval notation
$x \leq -2$		$(-\infty, -2]$
$3 \leq x < 5$		$[3, 5)$

Part B Instructions:

- Solve the absolute value equation.

- Simplify your answer and reduce any rational numbers to lowest terms. No decimals.

- Show ALL your work. You must show some work, or give an explanation, for each problem in order to receive credit.

1) $|2x - 1| = 5$

$\quad 2x - 1 = 5$ or $2x - 1 = -5$

$\quad 2x = 6$ or $2x = -4$

$\quad x = 3$ or $x = -2$

2) $|x + 3| = -2$

$\quad$ This equation has no solutions: absolute value cannot be negative.