

2A The |Modulus| Function

1. The function $f(x)$ is defined

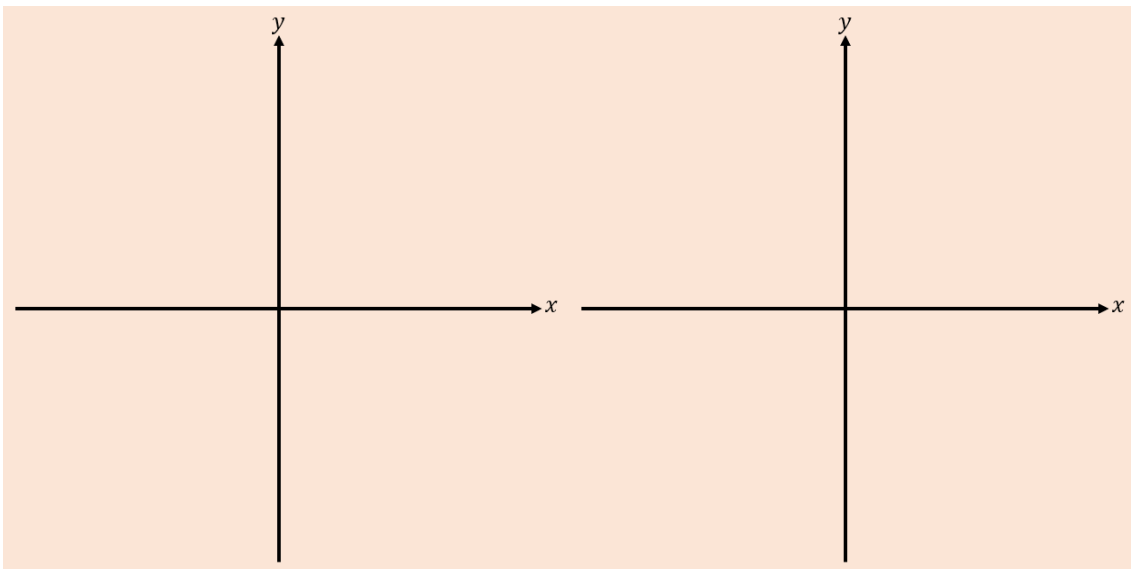
$$f(x) = |2x - 3| + 1$$

find:

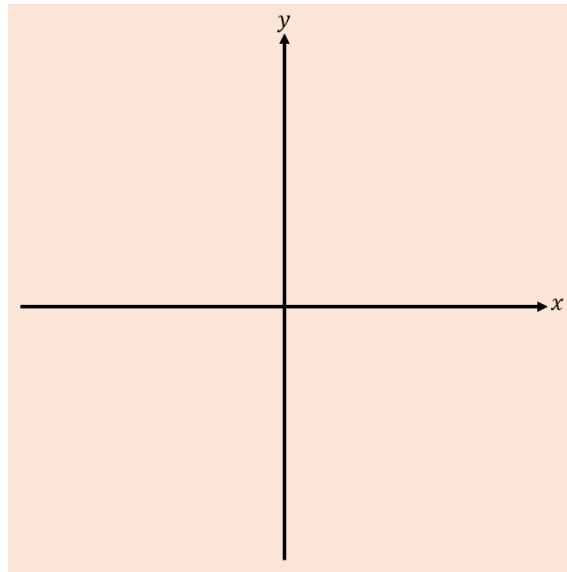
a) $f(5)$

b) -1

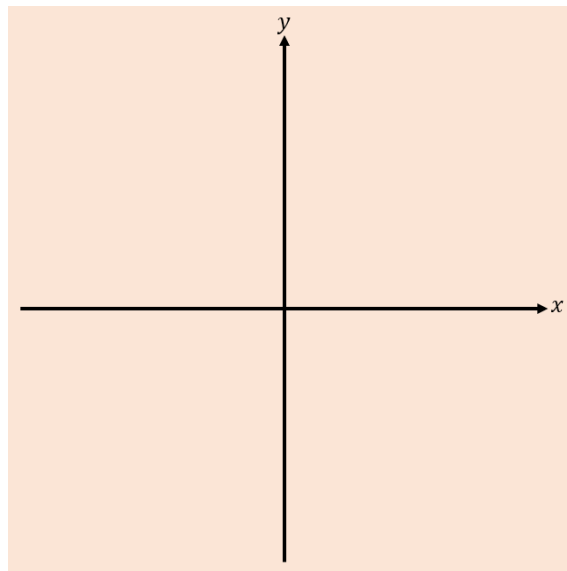
2. a) Sketch the graph of $y = |3x - 2|$



b) Solve the equation $|2x - 1| = 5$



c) Solve the equation $|3x - 5| = 2 - \frac{1}{2}x$



d) Solve the inequality $|5x - 1| > 3x$

