

■ Please do this assignment on other sheets of paper, not on this sheet. Show your work.

■ A. Work the following perfectly. Show all important steps. Graph solution, too.

[1] $|2x + 3| = |5x - 6|$

[2] $|x - 2| = |3x - 4|$

[3] $|5x + \frac{1}{5}| = -|\frac{2x-1}{5}|$

■ B.

[1] $|x| = |y| \implies x = \pm y$. Prove this.

Answers

[1] $\{\frac{3}{7}, 3\}$

[2] $\{1, \frac{3}{2}\}$

[3] $\{\}$