Practice – 1

Once you feel confident with absolute value equations and inequalities, complete problems 1 to 3. Check your answers by going to the Solutions tab in Moodle.

Instructions: Answer each of the following practice questions on a separate piece of paper. Step by step solutions are provided under the Solutions tab. You will learn the material more thoroughly if you complete the questions before checking the answers.

1. Solve the inequality $|3 - 2x| \leq 1$ and graph the solution. Express the solution in interval notation.

2. Solve the inequality $|x + 1| \geq 3$ and graph the solution. Express the solution in interval notation.

3. Solve the inequality $|4x + 1| > 3$ and graph the solution. Express the solution in interval notation.