King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics

Math 131 (Term 143) - Quiz 2

Student Name_____ **Student ID:** _____

Exercise [`20 points`**]**

Use the geometric approach to maximize $Z = y - x$ subject to $\begin{cases} x \geq 2 \\ x + 2y \geq 3 \\ x - 3y \geq -3 \\ y \geq 0 \end{cases}$