



Mathematics 52

Homework 3

Fall 2016

Professor: Mohammed Kaabar

Course ID: (27488) and (27501)

Student's Name: Mohammed Kaabar

Student's ID: -Solution-

Note: This homework covers some problems from solving linear inequalities.

Solve the following two problems:

Problem 1: Solve the following linear inequality:

$$3\Omega + 8 < -3 + 10\Omega$$

$$8 + 3 < 10\Omega - 3\Omega$$

$$11 < 7\Omega$$

Solution → $\frac{11}{7} < \Omega$

Problem 2: Solve the following linear inequality:

$$-12\phi + 18 \geq -12 - 2\phi$$

$$-12\phi + 2\phi \geq -12 - 18$$

$$\frac{-10\phi}{-10} \geq \frac{+30}{+10}$$

$\phi \leq 3$ ← Solution

Extra Credit (2 points): Mohammed Kaabar published recently a moment on Twitter titled *Teaching Differential Equations* (<https://twitter.com/i/moments/782435915671089152>). He talked about an important approach in teaching math courses. What is the name of that approach?

The Inquiry - oriented Approach



The way of visualization math problems is
the way you feel the beauty of
mathematics in our real life
situations.....Mohammed Kaabar

