

INTENSIVE MATHEMATICS (PBM1035)
Session December 2017
MODEL EXAM PAPER (QUESTION 4)

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working. You may use a non-programmable scientific calculator.

Question 1

Solve each of the following inequalities on a number line.

- (a) $x \geq -3$
- (b) $x < 3$
- (c) $x \geq -5$
- (d) $-1 < x \leq 2$

Question 2

Solve the following inequalities.

- (a) $-4x + 8 > 10$
- (b) $-6 + 3x \leq x$

Question 3

Solve and show all integers on a number line for x which satisfy the inequality below.

$$-5(2x + 2(-3x + 2)) \geq 4$$