

POLITEKNIK KUCHING SARAWAK

Mathematics, Science and Computer Department



INTENSIVE MATHEMATICS (PBM1035) Session December 2017 SELF-EXERCISE 11

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working. You may use a non-programmable scientific calculator.
- 1. Solve each inequality and graph its solution.

(a)
$$3 < -5n + 2n$$

(b)
$$6x + 2 + 6x < 14$$

(c)
$$-p - 4p > -10$$

(d)
$$9 \ge -2m + 2 - 3$$

(e)
$$5(6+3r)+7 \ge 127$$

2. For each number line, write the given set of numbers in interval notation.











