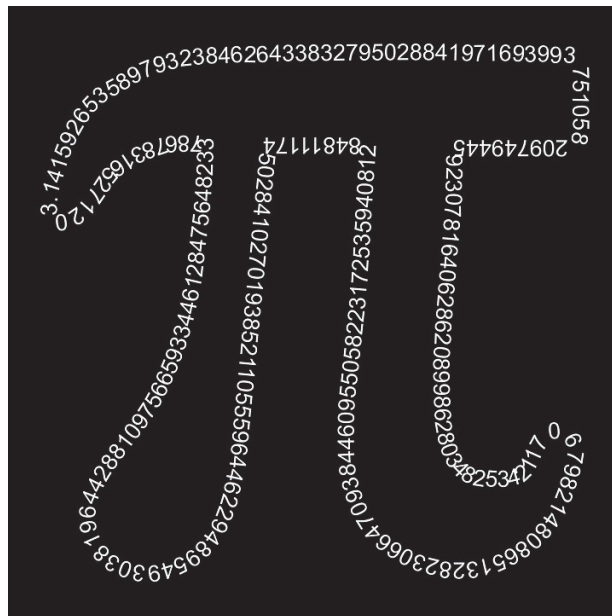


MATHS BASIC COURSE FOR UNDERGRADUATES



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STATEMENTS: 7th SUBJECT. POLYNOMIAL INEQUATIONS

Exercise 1. *Solve the following linear inequations:*

(i) $3 - 2x \geq 8 - 7x$

(ii) $\frac{1}{5}(6 - 2x) > \frac{1}{10}(1 - x)$

Exercise 2. *Solve the following inequation: $x^2 + 6x - 1 \leq 3x^2 + 3x - 6$.*

Exercise 3. *Solve the following inequation: $3x^2 + 4 < x^4 + 3x^3 + 3x$.*

Exercise 4. *Solve the following inequality: $x^3 + x \leq 4x^2 - 6$.*