

Linear Algebra - Solved Answer Sheet

Section A: Multiple Choice Answers

- a) Centers of curvature
- b) $B(m,n) = \Gamma(m)\Gamma(n) / \Gamma(m+n)$
- c) $f(c) = (f(b) - f(a)) / (b - a)$
- d) Polynomial expansion around a point
- e) Invertibility
- f) The number of linearly independent rows or columns
- g) Find inverse of a matrix
- h) A scalar field
- i) Real
- j) Orthogonalize a set of vectors

Section B: Fill in the Blanks

- a) String
- b) $\Gamma(n+1) = n\Gamma(n)$
- c) Local minimum
- d) Zero
- e) Kernel (Null space)