

MA 426-001/591M-001 Homework

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Assigned January 24, 2003, Due January 31, 2003

1. Let A be a subset of \mathbb{R}^n . Let B be the set of accumulation points of A . Show that B is a closed set.
2. Prove Proposition 2.6.2 (in your own words, not the text's words).
3. Let A be a subset of \mathbb{R}^n . Prove that $\text{bd}(A) = \text{cl}(A) \setminus \text{int}(A)$.