

MATH W4051 PROBLEM SET 10
DUE DECEMBER 8, 2009.

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- (1) Munkres 76.2
- (2) Munkres 77.1
- (3) Munkres 78.2
- (4) Munkres 78.3
- (5) Does the hairy torus theorem hold? That is, are there any non-vanishing, continuous vector fields on the torus?
- (6) Find a non-vanishing vector field on S^3 .

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