Problems: Gradient Fields and Potential Functions

Is the differential $y^2z\,dx + 2xyz\,dy + xy^2\,dz$ exact? If so, find a potential function. If not, explain why not.

MIT OpenCourseWare http://ocw.mit.edu

18.02SC Multivariable Calculus Fall 2010

For information about citing these materials or our Terms of Use, visit: http://ocw.mit.edu/terms.