

**Math 18 fall 2010**  
**Homework Set #8**  
**due Thursday November 4, 2010 at noon**

**Topics covered:** surface area for surfaces of the form  $z = f(x, y)$ , parametric representation of surfaces, tangent planes to parametric surfaces, surface area of parametric surfaces, triple integrals, volume as a triple integral

**Suggested reading**<sup>1</sup>: Sections 14.4-5

**Problems:**

Sections	14.4	14.5
Problem no.	4,9,11,16,18,19,30,42,48,50,54a),55,61	8,11,16,33,38

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<sup>1</sup>All problems and readings are from H.Anton, I.Bivens and S.Davis, Calculus Multivariable, 9 edition