

MATH 166
SUMMER 2012
QUIZ 2

1. Consider the functions $f(x) = x^2$ and $g(x) = x^3 - 2x$.
 - a) (5 pt) Sketch these two functions together and indicate the region bounded by them.
 - b) (5 pt) Find the area bounded by these two curves.

2. (5 pt) Find the volume of a circular cone of base radius R and height h .