

# Math 382, Fall 2011. Homework 19

## Due November 15

NAME \_\_\_\_\_

Notes: Chapter 6, Problems 3,7,9,10

Note about 6.10: this refers to Example 6.4, with  $f(x) = 3x^2$ , not Exercise 6.4!

### Problem 19A.

The random variable  $X$  has a distribution given by the table

$x$	-1	0	1	2
$p(x)$	0.1	0.2	0.3	0.4

Find the distribution of a random variable  $Y = X^2 - 1$ .